



# Down to a Science - Physics

7-letter bingos about **SCIENCE - PHYSICS (physics, astronomy, electronics)** go down on your board  
compiled by Jacob Cohen, Asheville Scrabble Club

## A 7s - Physics (physics, astronomy, electronics)

ABFARAD	AAABDFR	unit of capacitance [n -S]
ABHENRY	ABEHNRY	unit of inductance [n -RIES, -S]
ABVOLTS	ABLOSTV	ABVOLT, unit of electromotive force [n]
ABWATTS	AABSTTW	ABWATT, unit of power [n]
ACRONIC	ACCINOR	occurring at sunset [adj]
ADWARES	AADERSW	ADWARE, computer software that is provided free but has advertisements [n]
AERADIO	AADEIOR	Canadian radio service for pilots [n -S]
AERIALS	AAEILRS	AERIAL, antenna (metallic device for sending or receiving radio waves) [n]
AEROSAT	AAEORST	satellite for use in air-traffic control [n -S]
AGRAVIC	AACGIRV	pertaining to condition of no gravitation [adj]
AIRPLAY	AAILPRY	playing of record on radio program [n -S]
AIRSHOT	AHIORST	aircheck (recording made from radio broadcast) [n -S]
AIRSOME	AEIMORS	cold (having little or no warmth) [adj]
AIRTIME	AEIIMRT	time when broadcast begins [n -S]
AIRWAVE	AAEIRVW	medium of radio and television transmission [n -S]
ALBEDOS	ABDELOS	ALBEDO, ratio of light reflected by planet to that received by it [n]
AMMETER	AEEMMRT	instrument for measuring amperage [n -S]
AMPERES	AEEMPRS	AMPERE, unit of electric current strength [n]
ANOLYTE	AELNOTY	part of electricity-conducting solution nearest anode [n -S]
ANTENNA	AAENNNT	metallic device for sending or receiving radio waves [n -S or -E]
APHOTIC	ACHIOPT	lacking light [adj]
APOGEAL	AAEGLOP	APOGEE, point in orbit of body which is farthest from earth [adj]
APOGEAN	AAEGNOP	APOGEE, point in orbit of body which is farthest from earth [adj]
APOGEES	AEEGOPS	APOGEE, point in orbit of body which is farthest from earth [n]
APOGEIC	ACEGIOP	APOGEE, point in orbit of body which is farthest from earth [adj]
APOLUNE	AELNOPU	point in orbit of body which is farthest from moon [n -S]
APPLETS	AELPPST	APPLET, computer program for simple task [n]
ARCTICS	ACCIRST	ARCTIC, warm, waterproof overshoe [n]
ASSAGAI	AAAGISS	to pierce with light spear [v -ED, -ING, -S]
ASSEGAI	AAEGISS	to assagai (to pierce with light spear) [v -ED, -ING, -S]
ATOMICS	ACIMOST	science dealing with atoms [n]
ATOMIES	AEIMOST	ATOMY, tiny particle [n]
ATOMISM	AIMMOST	theory that universe is composed of simple, indivisible, minute particles [n -S]
ATOMIST	AIMOSTT	adherent of atomism [n -S]
AURORAE	AAEORRU	AURORA, rising light of morning [n]
AURORAL	AALORRU	AURORA, rising light of morning [adj]
AURORAS	AAORRSU	AURORA, rising light of morning [n]
AVIONIC	ACIINOV	AVIONICS, science of electronics applied to aviation [adj]

## B 7s - Physics (physics, astronomy, electronics)

BARCODE	ABCDEOR	automatically scannable geometric identifying code [n -S]
BARYONS	ABNORSY	BARYON, type of subatomic particle [n]
BASKING	ABGIKNS	BASK, to lie in pleasant warmth [v]
BATTERY	ABERTTY	device for generating electric current [n -RIES]
BEAMING	ABEGIMN	BEAM, to emit in beams (rays of light) [v]
BEEPERS	BEEEPRS	BEEPER, signaling device [n]
BIFOCAL	ABCFILO	type of lens (piece of transparent material used in changing convergence of light rays) [n -S]



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BIMORPH	BHIMOPR	device consisting of two crystals cemented together [n -S]
BIOCHIP	BCHIIOP	hypothetical computer component that uses proteins to store or process data [n -S]
BIONICS	BCIINOS	science joining biology and electronics [n]
BIOTECH	BCEHIOT	applied biology [n -S]
BIRDING	BDGIINR	BIRD, to hunt birds (winged, warm-blooded vertebrates) [v]
BITCOIN	BCIINOT	blockchain currency [n -S]
BITMAPS	ABIMPST	BITMAP, to represent something as bitmap (array of bits) [v]
BITRATE	ABEIRTT	data transmission speed [n -S]
BITWISE	BEIISTW	denoting operator in computer program that deals with bits [adj]
BLOGGED	BDEGGLO	BLOG, to record personal comments on Web site [v]
BLOGGER	BEGGLOR	one who blogs [n -S]
BOFFINS	BFFINOS	BOFFIN, scientific expert [n]
BOFFINY	BFFINOY	BOFFIN, scientific expert [adj]
BOHRIUM	BHIMORU	radioactive element [n -S]
BOLIDES	BDEILOS	BOLIDE, exploding meteor [n]
BOOMBOX	BBMOOOX	portable radio and tape or compact disc player [n -ES]
BOOTING	BGINOOT	BOOT, to load program into computer [v]
BORKING	BGIKNOR	act of attacking candidate in media [n -S] / BORK, to attack candidate in media [v]
BOSONIC	BCINOOS	BOSON, subatomic particle [adj]
BOTNETS	BENOSTT	BOTNET, network of computers controlled by malware [n]
BRANDED	ABDDENR	BRAND, to mark with hot iron [v]
BRANDER	ABDENRR	one that brands (to mark with hot iron) [n -S]
BROILED	BDEILOR	BROIL, to cook by direct heat [v]
BUOYANT	ABNOTUY	having buoyancy (tendency to float) [adj]
BUSBARS	ABBRSSU	BUSBAR, type of electrical conductor [n]

## **C 7s - Physics (physics, astronomy, electronics)**

CALCARS	AACCLRS	CALCAR, type of oven (enclosed compartment in which substances are heated) [n]
CALCINE	ACCEILN	to reduce to calx by heat [v -D, -NING, -S]
CALORIC	ACCILOR	heat [n -S]
CALORIE	ACEILOR	unit of heat [n -S]
CANDELA	AACDELN	unit of light intensity [n -S]
CAPCOMS	ACCMOPS	CAPCOM, ground operaor who communicates with astronaut [n]
CAPTCHA	AACCHPT	Turing test used to vet website users [n -S]
CATFISH	ACFHIST	to deceive using false online persona [v -ED, -ING, -ES]
CATHODE	ACDEHOT	negatively charged electrode [n -S]
CAUDLES	ACDELSU	CAUDLE, warm beverage [n]
CENTALS	ACELNST	CENTAL, unit of weight [n]
CENTNER	CEENNRT	unit of weight [n -S]
CENTRAL	ACELNRT	telephone exchange [n -S]
CEPHEID	CDEEHIP	giant star [n -S]
CERAMAL	AACELMR	heat-resistant alloy [n -S]
CERMETS	CEEMRST	CERMET, ceramal (heat-resistant alloy) [n]
CHAFING	ACFGHIN	CHAFE, to warm by rubbing [v]
CHAFING	ACFGHIN	CHAFE, to warm by rubbing [v]
CHAMBRE	ABCEHMR	brought (as wine) to room temperature [adj]
CHAOSSES	ACEHOSS	CHAOS, state of total disorder; confused mass [n]
CHAOTIC	ACCHIOT	CHAOS, state of total disorder; confused mass [adj]



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CHARISM	ACHIMRS	charisma (special magnetic appeal) [n -S]
CHILLED	CDEHILL	CHILL, to make cold [v]
CHILLER	CEHILLR	CHILL, cool (moderately cold) [adj] / one that chills (to make cold) [n -S]
CHINOOK	CHIKNOO	warm wind [n -S]
CHIPSET	CEHIPST	set of integrated circuits [n -S]
CHRONON	CHNNOOR	hypothetical unit of time [n -S]
CHYRONS	CHNORSY	CHYRON, type of digital graphic video display [n]
CIPHONY	CHINOPY	electronic scrambling of voice transmissions [n -NIES]
CLASSON	ACLNOSS	subatomic particle [n -S]
CODABLE	ABCDELO	capable of being coded [adj]
CODINGS	CDGINOS	CODING, process of converting into symbols [n]
COHERER	CEEHORR	device used to detect radio waves [n -S]
COLDEST	CDELOST	COLD, having little or no warmth [adj]
COLDISH	CDHILOS	somewhat cold [adj]
COLURES	CELORSU	COLURE, astronomical circle [n]
COMETIC	CCEIMOT	pertaining to comet [adj]
COMPUTE	CEMOPTU	to calculate [v -D, -TING, -S]
CONLANG	ACGLNNO	constructed language [n -S]
CONVECT	CCENOTV	to transfer heat by process of circulation [v -ED, -ING, -S]
COOKERS	CEKOORS	COOKER, one that cooks (to prepare food by heating) [n]
COOKING	CGIKNOO	COOK, to prepare food by heating [v]
COOLANT	ACLNOOT	fluid used to cool engines [n -S]
COOLERS	CELOORS	COOLER, something that cools (to make less warm) [n]
COOLEST	CELOOST	COOL, moderately cold [adj]
COOLING	CGILNOO	COOL, to make less warm [v]
COOLISH	CHILOOS	somewhat cool [adj]
COOLTHS	CHLOOST	COOLTH, coolness (state of being cool (moderately cold)) [n]
CORONAE	ACENOOR	CORONA, luminous circle around celestial body [n]
CORONAS	ACNOORS	CORONA, luminous circle around celestial body [n]
COSMISM	CIMMOSS	philosophical theory of cosmic evolution [n -S]
COSMIST	CIMOSST	supporter of cosmism (philosophical theory of cosmic evolution) [n -S]
COULOMB	BCLMOOU	electrical measure [n -S]
CRYOGEN	CEGNORY	substance for producing low temperatures [n -S]
CURITES	CEIRSTU	CURITE, radioactive mineral [n]
CURIUMS	CIMRSUU	CURIUM, radioactive element [n]
CURSORS	CORRSSU	CURSOR, light indicator on computer display [n]
<b>D 7s - Physics (physics, astronomy, electronics)</b>		
DALTONS	ADLNOST	DALTON, unit of atomic mass [n]
DARKENS	ADEKNRS	DARKEN, to make dark (having little or no light) [v]
DARKEST	ADEKRST	DARK, having little or no light [adj]
DAWNING	ADGINNW	daybreak (first appearance of light in morning) [n -S] / DAWN, to begin to grow light in morning [v]
DAYSIDE	ADDEISY	sun side of planet or moon [n -S]
DAYSTAR	AADRSTY	planet visible in east just before sunrise [n -S]
DAYTIME	ADEIMTY	day (time between sunrise and sunset) [n -S]
DAZZLED	ADDELZZ	DAZZLE, to blind by bright light [v]
DAZZLER	ADELZZ	one that dazzles (to blind by bright light) [n -S]
DAZZLES	ADELSZZ	DAZZLE, to blind by bright light [v]



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DECODED	CDDDEEO	DECODE, to convert coded message into plain language [v]
DECODER	CDDEEOR	one that decodes (to convert coded message into plain language) [n -S]
DECODES	CDDEEOS	DECODE, to convert coded message into plain language [v]
DECRYPT	CDEPRTY	to decode (to convert coded message into plain language) [v -ED, -ING, -S]
DEFRAGS	ADEFGRS	DEFRAG, to eliminate fragmentation in computer file [v]
DEGAUSS	ADEGSSU	to demagnetize [v -ED, -ING, -ES]
DELINKS	DEIKLNs	DELINK, to break connection with [v]
DEORBIT	BDEIORT	to come out of orbit [v -ED, -ING, -S]
DEPERMS	DEEMPRS	DEPERM, to demagnetize [v]
DIATRON	ADINORT	circuitry designed that uses diodes [n -S]
DIGICAM	ACDGIIM	digital camera [n -S]
DIOPTER	DEIOPRT	measure of refractive power [n -S]
DIOPTRE	DEIOPRT	dioptr (measure of refractive power) [n -S]
DIPHASE	ADEHIPS	having two phases [adj]
DIPOLAR	ADILOPR	DIPOLE, pair of equal and opposite electric charges [adj]
DIPOLES	DEILOPS	DIPOLE, pair of equal and opposite electric charges [n]
DONGLES	DEGLNOS	DONGLE, device for computer [n]
DUBNIUM	BDIMNUU	radioactive element [n -S]
DUBSTEP	BDEPSTU	type of electronic dance music [n -S]
DYNAMIC	ACDIMNY	physical force [n -S]
DYNAMOS	ADMNOSY	DYNAMO, generator [n]
DYNODES	DDENOSY	DYNODE, type of electrode [n]

## **E 7s - Physics (physics, astronomy, electronics)**

EHELLE	CEEEHLL	device for spreading light into its component colors [n -S]
ELECTRO	CEELORT	to make metallic copy of page of type for printing [v -ED, -ING, -S]
EMAILED	ADEEILM	EMAIL, to send message to by computer [v]
ENCODED	CDDEENO	ENCODE, to put into code [v]
ENCODER	CDEENOR	one that encodes (to put into code) [n -S]
ENCODES	CDEENOS	ENCODE, to put into code [v]
ENFEVER	EEEFNRV	to fever (to affect with fever (abnormal elevation of body temperature)) [v -ED, -ING, -S]
ENTROPY	ENOPRTY	thermodynamic measure of disorder [n -PIES]
EQUINOX	EINOQUX	point on celestial sphere [n -ES]
ETOILES	EEILOST	ETOILE, star [n]
EUCRITE	CEEIRTU	type of meteorite [n -S]
EXABYTE	ABEETXY	one quintillion bytes [n -S]
EXCIMER	CEEIMRX	dimer that exists in excited state [n -S]
EXCITON	CEINOTX	phenomenon occurring in excited crystal [n -S]

## **F 7s - Physics (physics, astronomy, electronics)**

FACULAE	AACEFLU	FACULA, unusually bright spot on sun's surface [n]
FACULAR	AACFLRU	FACULA, unusually bright spot on sun's surface [adj]
FALLERS	AEFLLRs	FALLER, one that falls (to descend under force of gravity) [n]
FALLING	AFGILLN	FALL, to descend under force of gravity [v]
FALLOUT	AFLLOTU	radioactive debris resulting from nuclear explosion [n -S]
FANNERS	AEFNNRS	FANNER, one that fans (to cool or refresh with fan (device for putting air into motion)) [n]
FANNING	AFGINNN	FAN, to cool or refresh with fan (device for putting air into motion) [v]
FARADAY	AAADFRY	unit of electricity [n -S]
FARADIC	AACDFIR	pertaining to type of electric current [adj]



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FAXABLE	AABEFLX	FAX, to transmit and reproduce by electronic means [adj]
FERMION	EFIMNOR	type of atomic particle [n -S]
FERMIUM	EFIMMRU	radioactive element [n -S]
FERRITE	EEFIRRT	magnetic substance [n -S]
FEVERED	DEEEFRV	FEVER, to affect with fever (abnormal elevation of body temperature) [v]
FIERIER	EEFIIRR	FIERY, intensely hot [adj]
FIERILY	EFIILRY	FIERY, intensely hot [adv]
FIRELIT	EFIILRT	lighted by firelight [adj]
FIRINGS	FGIINRS	FIRING, process of maturing ceramic products by heat [n]
FISHERS	EFHIRSS	FISHER, one that fishes (to catch or try to catch fish (cold-blooded aquatic vertebrates)) [n]
FISHING	FGHIINS	FISH, to catch or try to catch fish (cold-blooded aquatic vertebrates) [v]
FISSION	FIINOSS	to split into parts [v -ED, -ING, -S]
FLARING	AFGILNR	FLARE, to burn with bright, wavering light [v]
FLASHED	ADEFHLS	FLASH, to send forth sudden burst of light [v]
FLASHER	AEFHLRS	one that flashes (to send forth sudden burst of light) [n -S]
FLASHES	AEFHLSS	FLASH, to send forth sudden burst of light [v]
FLUXING	FGILNUX	FLUX, to melt (to change from solid to liquid state by heat) [v]
FOGBOWS	BFGOOSW	FOGBOW, nebulous arc of light sometimes seen in fog [n]
FOGDOGS	DFGGOOS	FOGDOG, fogbow (nebulous arc of light sometimes seen in fog) [n]
FORMULA	AFLMORU	exact method for doing something [n -E, -S]
FRAZILS	AFILRSZ	FRAZIL, tiny ice crystals formed in supercooled waters [n]
FREEZES	EEEFRSZ	FREEZE, to become hardened into solid body by loss of heat [v]
FRESNEL	EEFLNRS	type of lens used in lights [n -S]
FRYABLE	ABEFLRY	FRY, to cook over direct heat in hot fat or oil [adj]
FULCRUM	CFLMRUU	support for lever [n -RA, -S]
FURNACE	ACEFNRU	to subject to heat [v -D, -CING, -S]
FUSIONS	FINOSSU	FUSION, act of melting together [n]

## **G 7s - Physics (physics, astronomy, electronics)**

GAUSSES	AEGSSSU	GAUSS, unit of magnetic induction [n]
GEEKDOM	DEEGKMO	world of geeks [n -S]
GEEKIER	EEEGIKR	GEEKY, socially awkward or unappealing [adj]
GEEKISH	EEGHIKS	geeky (socially awkward or unappealing) [adj]
GENLOCK	CEGKLNO	device for synchronizing different video signals [n -S]
GEYSERS	EEGRSSY	GEYSER, to eject jets of hot water and steam [v]
GHIBLIS	BGHIILS	GHIBLI, hot desert wind [n]
GIBBOSE	BBEGIOS	gibbous (irregularly rounded) [adj]
GIBBOUS	BBGIOSU	irregularly rounded [adj]
GIGABIT	ABGGIIT	unit of information [n -S]
GIGATON	AGGINOT	unit of weight [n -S]
GILBERT	BEGILRT	unit of magnetomotive force [n -S]
GLARING	AGGILNR	GLARE, to shine with harshly brilliant light [v]
GLINTED	DEGILNT	GLINT, to glitter (to sparkle (to give off or reflect flashes of light)) [v]
GLITTER	EGILRTT	to sparkle (to give off or reflect flashes of light) [v -ED, -ING, -S]
GLOSSED	DEGLOSS	GLOSS, to make lustrous (reflecting light evenly and efficiently) [v]
GLOSSER	EGLORSS	one that glosses (to make lustrous (reflecting light evenly and efficiently)) [n -S]
GLOSSES	EGLOSSS	GLOSS, to make lustrous (reflecting light evenly and efficiently) [v]
GLOWING	GGILNOW	GLOW, to emit light and heat [v]



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GLOWING	GGILNOW	GLOW, to emit light and heat [v]
GNOMONS	GMNNOOS	GNOMON, part of sundial [n]
GOOGLED	DEGGLOO	GOOGLE, to use Internet search engine [v]
GOOGLES	EGGLOOS	GOOGLE, to use Internet search engine [v]
GRAMMES	AEGMMRS	GRAMME, gram (unit of mass and weight) [n]
GRAVITY	AGIRTVY	force of attraction toward earth's center [n -TIES]

## H 7s - Physics (physics, astronomy, electronics)

HADRONS	ADHNORS	HADRON, elementary particle [n]
HAHNIIUM	AHHIMNU	radioactive element [n -S]
HALOING	AGHILNO	HALO, to form halo (ring of light) [v]
HASHTAG	AAGHHST	word or phrase preceded by symbol # that categorizes accompanying text [n]
HASSIUM	AHIMSSU	radioactive element [n -S]
HEADEND	ADDEEHN	facility that receives and distributes communication signals [n -S]
HEATERS	AEEHRST	HEATER, apparatus for heating [n]
HEATING	AEGHINT	act of making something hot [n -S] / HEAT, to make hot (having high temperature) [v]
HEAVENS	AEEHNSV	HEAVEN, sky [n]
HEAVIER	AEEHIRV	HEAVY, having much weight [adj]
HEAVILY	AEHILVY	HEAVY, having much weight [adv]
HEFTIER	EEFHIRT	HEFTY, heavy (having much weight) [adj]
HEFTILY	EFHILTY	HEFTY, heavy (having much weight) [adv]
HENRIES	EEHINRS	HENRY, unit of inductance [n]
HERTZES	EEHRSTZ	HERTZ, unit of frequency [n]
HOOKUPS	HKOOPSU	HOOKUP, electrical assemblage [n]
HORIZON	HINOORZ	line where sky seems to meet earth [n -S]
HOTCAKE	ACEHKOT	pancake [n -S]
HOTDOGS	DGHOOST	HOTDOG, to perform showily [v]
HOTLINE	EHILNOT	direct communications system for immediate contact [n -S]
HOTLINK	HIKLNOT	connection between two computer files [n -S]
HOTNESS	EHNOSST	state of being hot (having high temperature) [n -ES]
HOTPOTS	HOOPSTT	HOTPOT, casserole of meat and vegetables [n]
HOTTEST	EHOSTTT	HOT, having high temperature [adj]
HOTTING	GHINOTT	HOT, to heat (to make hot) [v]
HOTTISH	HHIOSTT	somewhat hot [adj]
HYPERON	EHNOPRY	atomic particle [n -S]

## I 7s - Physics (physics, astronomy, electronics)

INBOXES	BEINOSX	INBOX, window in which electronic mail is displayed [n]
INERTIA	AEIINRT	tendency of body to resist acceleration [n -S or -E]
INFALLS	AFILLNS	INFALL, movement under influence of gravity toward celestial object [n]
INKJETS	EIJKNST	INKJET, printer that spurts ink to form letters [n]
INPHASE	AEHINPS	having matching electrical phases [adj]
IONISED	DEIINOS	IONISE, to ionize (to convert into ions) [v]
IONISER	EIINORS	ionizer (one that ionizes (to convert into ions)) [n -S]
IONISES	EIINOSS	IONISE, to ionize (to convert into ions) [v]
IONIZED	DEIINOZ	IONIZE, to convert into ions [v]
IONIZER	EIINORZ	one that ionizes (to convert into ions) [n -S]
IONIZES	EIINOSZ	IONIZE, to convert into ions [v]
IONOGEN	EGINNOO	compound capable of forming ions [n -S]



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ISOCHOR	CHIOORS	isochore (curve used to show relationship between pressure and temperature) [n -S]
ISODOSE	DEIOOSS	pertaining to zones that receive equal doses of radiation [adj]
ISOGONE	EGINOOS	line on map used to show characteristics of earth's magnetic field [n -S]
ISOSPIN	IINOPSS	type of quantum number [n -S]
ISOTONE	EINOOST	type of atom (smallest unit of element) [n -S]
ISOTOPE	EIOOPST	form of element [n -S]
ISOTOPY	IOOPSTY	state of being isotope [n -PIES]

## **J 7s - Physics (physics, astronomy, electronics)**

JOBNAME	ABEJMNO	computer code for job instruction [n -S]
JOYPADS	ADJOPSY	JOYPAD, device with buttons to control computer images [n]

## **K 7s - Physics (physics, astronomy, electronics)**

KAMSEEN	AEEKMNS	khamzin (hot, dry wind) [n -S]
KAMSINS	AIKMNSS	KAMSIN, khamzin (hot, dry wind) [n]
KATHODE	ADEHKOT	cathode (negatively charged electrode) [n -S]
KATIONS	AIKNOST	KATION, cation (positively charged ion) [n]
KELVINS	EIKLNSV	KELVIN, unit of temperature [n]
KEYCARD	ACDEKRY	coded card for operating device [n -S]
KEYPADS	ADEKPSY	KEYPAD, small keyboard [n]
KEYPALS	AEKLPSY	KEYPAL, person with whom one corresponds by email [n]
KEYSETS	EEKSSTY	KEYSET, system of finger levers [n]
KEYWORD	DEKORWY	significant word [n -S]
KHAMZIN	AHIKMNS	hot, dry wind [n -S]
KILOBAR	ABIKLOR	unit of atmospheric pressure [n -S]
KILOBIT	BIIKLOT	unit of computer information [n -S]
KILORAD	ADIKLOR	unit of nuclear radiation [n -S]
KILOTON	IKLNoot	unit of weight [n -S]
KLUDGED	DDEGKLU	KLUDGE, to put together from ill-fitting components [v]
KLUDGES	DEGKLSU	KLUDGE, to put together from ill-fitting components [v]

## **L 7s - Physics (physics, astronomy, electronics)**

LAMPION	AILMNOP	type of light-generating device [n -S]
LAMPLIT	AILLMPT	lighted by lamp [adj]
LAPTOPS	ALOPPST	LAPTOP, small computer for use on one's lap [n]
LASERED	ADEELRS	LASER, to treat with laser (device that amplifies light waves) [v]
LEPTONS	ELNOPST	LEPTON, subatomic particle [n]
LICHTED	CDEHILT	LICHT, to light (to illuminate) [v]
LIGHTED	DEGHILT	LIGHT, to illuminate [v]
LINEMAN	AEILMNN	one who installs or repairs telephone wires [n -MEN]
LINKBOY	BIKLNOY	man or boy hired to carry torch to light way along dark streets [n -S]
LINKMAN	AIKLMNN	linkboy (man or boy hired to carry torch to light way along dark streets) [n -MEN]
LINKUPS	IKLNPSU	LINKUP, something that serves as linking device [n]
LIQUATE	AEILQTU	to purify metal by heating [v -D, -TING, -S]
LIQUEFY	EFILQUY	to make or become liquid [v -FIED, -FYING, -FIES]
LIQUIDS	DIILQSU	LIQUID, substance that flows freely [n]
LIQUIDY	DIILQUY	LIQUID, substance that flows freely [adj -DIER, -DIEST]
LIQUIFY	FIILQUY	to liquefy (to make or become liquid) [v -FIED, -FYING, -FIES]
LISTBOX	BILOSTX	box on computer screen that contains list of options [n -ES]
LOGOFFS	FFGLOOS	LOGOFF, logout (act of ending connection with computer system) [n]



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LOGOUTS	GLOOSTU	LOGOUT, act of ending connection with computer system [n]
LYRICON	CILNORY	electronic wind instrument [n -S]
<b>M 7s - Physics (physics, astronomy, electronics)</b>		
MAGLEVS	AEGLMSV	MAGLEV, train using magnets to move above tracks [n]
MAGNETO	AEGMNOT	type of electric generator [n -S]
MAGNETS	AEGMNST	MAGNET, body that possesses property of attracting iron [n]
MALWARE	AAELMRW	software designed to disable computers [n -S]
MAMMALS	AALMMMS	MAMMAL, any of class of warm-blooded vertebrates [n]
MARCONI	ACIMNOR	two-way radio [n -S]
MARTIAN	AAIMNRT	supposed inhabitant of planet Mars [n -S]
MASCONS	ACMNOSS	MASCON, concentration of dense mass beneath moon's surface [n]
MAXWELL	AELLMWX	unit of magnetic flux [n -S]
MEGABAR	AABEGMR	unit of pressure [n -S]
MEGABIT	ABEGIMT	unit of computer information [n -S]
MEGOHMS	EGHMMOS	MEGOHM, unit of electrical resistance [n]
MELTERS	EELMRST	MELTER, one that melts (to change from solid to liquid state by heat) [n]
MELTING	EGILMNT	MELT, to change from solid to liquid state by heat [v]
MESONIC	CEIMNOS	MESON, subatomic particle [adj]
METATAG	AAEGMTT	HTML tag having information about webpage [n -S]
METEORS	EEMORST	METEOR, small celestial body that enters earth's atmosphere [n]
MICROHM	CHIMMOR	unit of electrical resistance [n -S]
MILLIER	EIILLMR	unit of weight [n -S]
MIRAGES	AEGIMRS	MIRAGE, type of optical illusion [n]
MISCODE	CDEIMOS	to code wrongly [v -D, -DING, -S]
MISDIAL	ADIILMS	to dial wrongly [v -ED, -LLED, -ING, -LLING, -S]
MISKEYS	EIKMSSY	to key into machine incorrectly [v]
MISTBOW	BIMOSTW	fogbow (nebulous arc of light sometimes seen in fog) [n -S]
MISTRAL	AILMRST	cold, dry wind [n -S]
MOBLOGS	BGLMOOS	MOBLOG, weblog with data posted from cell phone [n]
MODEMED	DDEEMMO	MODEM, to transmit by modem (device for converting signals from one form to another) [v]
MOONBOW	BMNOOOW	rainbow formed by light from moon [n -S]
MOONDOG	DGMNOOO	bright spot in sky formed by moonlight [n -S]
MOONIER	EIMNOOR	MOONY, resembling moon [adj]
MOONLET	ELMNOOT	small satellite [n -S]
MOONLIT	ILMNOOT	lighted by moon [adj]
MOONSET	EMNOOST	setting of moon below horizon [n -S]
MUGGIER	EGGIMRU	MUGGY, warm and humid [adj]
MUGGILY	GGILMUJ	in muggy (warm and humid) manner [adv]
MUONIUM	IMMNOUU	electron and positive muon bound together [n -S]
<b>N 7s - Physics (physics, astronomy, electronics)</b>		
NAGWARE	AAEGNRW	software that is at first free but often reminds user to pay for it [n -S]
NANOBOT	ABNNOOT	very small self-propelled machine [n -S]
NEBULAE	ABEELNU	NEBULA, cloud-like interstellar mass [n]
NEBULAR	ABELNRU	NEBULA, cloud-like interstellar mass [adj]
NEBULAS	ABELNSU	NEBULA, cloud-like interstellar mass [n]
NEGATON	AEGNNOT	negatron (electron (elementary particle)) [n -S]
NEMATIC	ACEIMNT	liquid crystal in particular phase [n -S]





# Down to a Science - Physics

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NERDIER	DEEINRR	NERDY, socially inept [adj]
NERDISH	DEHINRS	NERD, socially inept person [adj]
NETBOOK	BEKNOOT	small portable computer [n -S]
NETIZEN	EEINNTZ	frequent user of Internet [n -S]
NETSURF	EFNRSTU	to browse Internet for information [v -ED, -ING, -S]
NEUTRON	ENNORTU	subatomic particle [n -S]
NEWTONS	ENNOSTW	NEWTON, unit of force [n]
NODICAL	ACDILNO	pertaining to astronomical point [adj]
NUCLEON	CELNNOU	subatomic particle [n -S]
NUCLEUS	CELNSUU	essential part of cell [n -EI, -ES]
NUCLIDE	CDEILNU	species of atom [n -S]
NUTATED	ADENTTU	NUTATE, to exhibit nutation (oscillatory movement of axis of rotating body) [v]
NUTATES	AENSTTU	NUTATE, to exhibit nutation (oscillatory movement of axis of rotating body) [v]

## **O 7s - Physics (physics, astronomy, electronics)**

OERSTED	DEEORST	unit of magnetic intensity [n -S]
OFFLINE	EFFILNO	not connected to computer network [adj]
OHMAGES	AEGHMOS	OHMAGE, electrical resistance expressed in ohms [n]
OLOGIES	EGILOOS	LOGY, branch of knowledge [n]
OLOGIST	GILOOST	expert in particular ology [n -S]
OPACIFY	ACFIOPY	to make opaque (impervious to light) [v -FIED, -ING, -FIES]
OPAQUER	AEOPQRU	OPAQUE, impervious to light [adj]
ORBITAL	ABILORT	subdivision of nuclear shell [n -S]
ORBITED	BDEIORT	ORBIT, to move or revolve around [v]
ORBITER	BEIORRT	one that orbits (to move or revolve around) [n -S]
ORGANON	AGNNOOR	system of rules for scientific investigation [n -S or -NA]
ORGANUM	AGMNORU	organon (system of rules for scientific investigation) [n -S or -NA]
ORGONES	EGNOORS	ORGONE, postulated energy pervading universe [n]
OSMOLAL	ALLMOOS	OSMOL, unit of osmotic pressure [adj]
OSMOLAR	ALMOORS	osmotic (pertaining to osmosis (form of diffusion of fluid through membrane)) [adj]
OSMOLES	ELMOOSS	OSMOLE, osmol (unit of osmotic pressure) [n]
OSMOSED	DEMOOSS	OSMOSE, to undergo osmosis [v]
OSMOSES	EMOOSSS	OSMOSE, to undergo osmosis [v] / OSMOSIS, form of diffusion of fluid through membrane [n]
OSMOSIS	IMOOSSS	form of diffusion of fluid through membrane [n -SES]
OSMOTIC	CIMOOST	pertaining to osmosis (form of diffusion of fluid through membrane) [adj]
OUTAGES	AEGOSTU	OUTAGE, failure or interruption in use or functioning [n]
OUTBEAM	ABEMOTU	to surpass in beaming [v -ED, -ING, -S OUTBEAMS]
OVERHOT	EHOORTV	too hot [adj]
OVERLIT	EILORTV	OVERLIGHT, to light excessively [v]
OVONICS	CINOOSV	OVONIC, electronic device [n]

## **P 7s - Physics (physics, astronomy, electronics)**

PAGINGS	AGGINPS	PAGING, transfer of computer pages [n]
PALMTOP	ALMOPPT	small computer that fits in palm of hand [n -S]
PAMPERO	AEMOPPR	cold, dry wind [n -S]
PARKIER	AEIKPRR	PARKY, chilly (cool (moderately cold)) [adj]
PARSECS	ACEPRSS	PARSEC, unit of astronomical distance [n]
PARTONS	ANOPRST	PARTON, hypothetical atomic particle [n]
PASCALS	AACLPS	PASCAL, unit of pressure [n]



# Down to a Science - Physics

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PAYWALL	AALLPWY	system that prevents access to website without paid subscription [n -S]
PEISING	EGIINPS	PEISE, to weigh (to determine weight of) [v]
PENLITE	EEILNPT	penlight (small flashlight) [n -S]
PENTODE	DEENOPT	type of electron tube [n -S]
PERIGEE	EEEGIPR	point in orbit of celestial body which is nearest to earth [n -S]
PHASERS	AEHPRSS	PHASER, type of science-fiction weapon [n]
PHISHED	DEHHIPS	PHISH, to engage in phishing [v]
PHISHER	EHHIPRS	one that phishes (to engage in phishing) [n -S]
PHISHES	EHHIPSS	PHISH, to engage in phishing [v]
PHOEBUS	BEHOPSU	sun [n -ES]
PHONICS	CHINOPS	science of sound [n]
PHONING	GHINNOP	PHONE, to telephone [v]
PHONONS	HNNOOPS	PHONON, quantum of vibrational energy [n]
PHOTICS	CHIOPST	science of light [n]
PHOTINO	HINOOPT	hypothetical elementary particle [n -S]
PHOTONS	HNOOPST	PHOTON, elementary particle [n]
PINSPOT	INOPPST	to illuminate with tight spotlight [v -TTED, -TTING, -S]
PLANETS	AELNPST	PLANET, celestial body [n]
PLENISM	EILMNPS	doctrine that space is fully occupied by matter [n -S]
PLENIST	EILNPST	advocate of plenism (doctrine that space is fully occupied by matter) [n -S]
PLENUMS	ELMNPSU	PLENUM, space considered as fully occupied by matter [n]
PODCAST	ACDOPST	to make program available in digital format for download over Internet [v PODCAST or -ED, -ING, -S]
POLARON	ALNOOPR	type of electron (elementary particle) [n -S]
POTLINE	EILNOPT	row of electrolytic cells [n -S]
POTTERY	EOPRTTY	ware molded from clay and hardened by heat [n -RIES]
POWERED	DEEOPRW	POWER, to provide with means of propulsion [v]
PREAMPS	AEMPPRS	PREAMP, amplifier (device for amplifying (to make larger or more powerful)) [n]
PRECODE	CDEEOPR	to code beforehand [v -D, -DING, -S]
PRECOOL	CELOOPR	to cool beforehand [v -ED, -ING, -S]
PREHEAT	AEHPRT	to heat beforehand [v -ED, -ING, -S]
PREWARM	AEMPRRW	to warm beforehand [v -ED, -ING, -S]
PREWIRE	EEIPRRW	to wire beforehand [v -D, -RING, -S]
PROTONS	NOOPRST	PROTON, subatomic particle [n]
PROTYLE	ELOPRTY	hypothetical substance from which all elements are supposedly derived [n -S]
PROTYLS	LOPRSTY	PROTYL, protyle (hypothetical substance from which all elements are supposedly derived) [n]
PULSARS	ALPRSSU	PULSAR, celestial source of radio waves [n]

## Q 7s - Physics (physics, astronomy, electronics)

QUANTAL	AALNQTU	pertaining to quantum (fundamental unit of energy) [adj]
QUANTUM	AMNQTUU	fundamental unit of energy [n -TA]
QUASARS	AAQRSSU	QUASAR, distant celestial object emitting strong radio waves [n]
QUBYTES	BEQSTUY	QUBYTE, sequence of eight quantum bits [n]
QUINTAL	AILNQTU	unit of weight [n -S]
QWERTYS	EQRSTWY	QWERTY, standard keyboard [n]

## R 7s - Physics (physics, astronomy, electronics)

RADIOED	ADDEIOR	RADIO, to transmit by radio (apparatus for wireless communication) [v]
RADIOES	ADEIORS	RADIO, to transmit by radio (apparatus for wireless communication) [v]
RADIUMS	ADIMRSU	RADIUM, radioactive element [n]



# Down to a Science - Physics

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RADOMES	ADEMORS	RADOME, domelike device used to shelter radar antenna [n]
RAGLANS	AAGLNRS	RAGLAN, type of overcoat (warm coat worn over indoor clothing) [n]
RAINBOW	ABINORW	arc of spectral colors formed in sky [n -S]
RAINOUT	AINORTU	atomic fallout occurring in precipitation [n -S]
RASTERS	AERRSST	RASTER, area reproducing images on picture tube of television set [n]
RAVIEST	AEIRSTV	RAVEY, characteristic of rave (all-night dance party with fast electronic music) [adj]
RAYLIKE	AEIKLRY	resembling narrow beam of light [adj]
READOUT	ADEORTU	presentation of computer data [n -S]
REBOOTS	BEOORST	REBOOT, BOOT, to load program into computer [v]
RECODED	CDDEEOR	RECODE, CODE, to convert into symbols [v]
RECODES	CDEEORS	RECODE, CODE, to convert into symbols [v]
REFALLS	AEFLLR	REFALL, FALL, to descend under force of gravity [v]
REFRACT	ACEFRRT	to deflect in particular manner, as ray of light [v -ED, -ING, -S]
REGLOSS	EGLORSS	GLOSS, to make lustrous (reflecting light evenly and efficiently) [v -ED, -ING, -ES]
REGLOWS	EGLORSW	REGLOW, GLOW, to emit light and heat [v]
REHEATS	AEHRST	REHEAT, to heat again [v]
RELUMED	DEELMRU	RELUME, to light again [v]
RELUMES	EELMRSU	RELUME, to light again [v]
REMAILS	AEILMRS	REMAIL, MAIL, to send by governmental postal system [v]
REELTS	EELMRST	RE MELT, MELT, to change from solid to liquid state by heat [v]
REPOWER	EEOPRRW	POWER, to provide with means of propulsion [v -ED, -ING, -S]
RESHINE	EEHINRS	SHINE, to emit light [v -ED or -HONE, -NING, -S]
RETWEET	EEERTTW	to tweet message again [v -ED, -ING, -S]
REWARMS	AEMRRSW	REWARM, to warm again [v]
REWEIGH	EEGHIRW	WEIGH, to determine weight of [v -ED, -ING, -S]
REWIRE	DEEIRRW	REWIRE, to wire again [v]
REWIRES	EEIRRSW	REWIRE, to wire again [v]
ROASTED	ADEORST	ROAST, to cook with dry heat [v]
ROASTER	AEORRST	one that roasts (to cook with dry heat) [n -S]
ROBOTIC	BCIOORT	ROBOT, humanlike machine that performs various functions [adj]
ROBOTRY	BOORRTY	science of robots [n -RIES]
ROCKETS	CEKORST	ROCKET, to convey by means of rocket (device propelled by reaction of escaping gases) [v]
RONTGEN	EGNNORT	roentgen (unit of radiation dosage) [n -S]
ROOTKIT	IKOORTT	software that enables unauthorized access to computer [n -S]

## **S 7s - Physics (physics, astronomy, electronics)**

SALOOPS	ALOOPSS	SALOOP, hot drink made from infusion of aromatic herbs [n]
SAMIELS	AEILMSS	SAMIEL, simoom (hot, dry desert wind) [n]
SAMOVAR	AAMORSV	metal urn for heating water [n -S]
SANSARS	AANRSSS	SANSAR, sarsar (cold, whistling wind) [n]
SAROSSES	AEORSSS	SAROS, eclipse cycle of sun and moon [n]
SARSARS	AARRSSS	SARSAR, cold, whistling wind [n]
SATCOMS	ACMOSST	SATCOM, satellite communications [n]
SAUNAED	AADENSU	SAUNA, to take dry heat bath [v]
SCALARS	AACLRSS	SCALAR, mathematical quantity possessing only magnitude [n]
SCALDED	ACDDELS	SCALD, to burn with hot liquid or steam [v]
SCARVED	ACDERSV	wearing scarf (piece of cloth worn for warmth or protection) [adj]
SCARVES	ACERSSV	SCARF, piece of cloth worn for warmth or protection [n]



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SCIENCE	CCEEINS	department of systematized knowledge [n -S]
SCROLLS	CLLORSS	SCROLL, to move text across display screen [v]
SEADOGS	ADEGOSS	SEADOG, fogbow (nebulous arc of light sometimes seen in fog) [n]
SECPARS	ACEPRSS	SECPAR, parsec (unit of astronomical distance) [n]
SELSYNS	ELNSSSY	SELSYN, type of remote-control device [n]
SENSORS	ENORSSS	SENSOR, device that receives and responds to stimulus [n]
SEXTILE	EEILSTX	position of two celestial bodies when they are sixty degrees apart [n -S]
SEXTING	EGINSTX	sending of sexually explicit messages or images by cell phone [n -S]
SFERICS	CEFIRSS	electronic detector of storms [n]
SHADERS	ADEHRSS	SHADER, one that shades (to screen from light or heat) [n]
SHADING	ADGHINS	protection against light or heat [n -S] / SHADE, to screen from light or heat [v]
SHAMALS	AAHLMSS	SHAMAL, hot, dry wind [n]
SHEENED	DEEEHNS	SHEEN, to shine (to emit light) [v]
SHINERS	EHINRSS	SHINER, one that shines (to emit light) [n]
SHINIER	EHIINRS	SHINY, filled with light [adj]
SHINING	GHIINNS	SHINE, to emit light [v]
SHIVERS	EHIRSSV	SHIVER, to tremble with fear or cold [v]
SHORTED	DEHORST	SHORT, to cause type of electrical malfunction in [v]
SIEMENS	EEIMNSS	unit of electrical conductance [n -ES]
SIEVERT	EEIRSTV	unit of ionizing radiation [n -S]
SILICON	CIILNOS	nonmetallic element [n -S]
SIMOOMS	IMMOOSS	SIMOOM, hot, dry desert wind [n]
SINTERS	EINRSST	SINTER, to make cohesive by combined action of heat and pressure [v]
SIROCCO	CCIOORS	hot, dry wind [n -S]
SIZZLER	EILRSZZ	very hot day [n -S]
SKYGLOW	GKLOSWY	glow in night sky resulting from urban lights [n -S]
SKYWARD	ADKRSWY	toward sky [adv]
SMOKIES	EIKMOSS	SMOKIE, sausage or hot dog [n]
SNUGGER	EGGNRSU	SNUG, warmly comfortable [adj]
SNUGGLY	GGLNSUY	warm and cozy [adj -LIER, -LIEST]
SOLANOS	ALNOOSS	SOLANO, strong, hot wind [n]
SOLIONS	ILNOOSS	SOLION, electronic detecting and amplifying device [n]
SOLITON	ILNOOST	solitary wave in Physics [n -S]
SOLUNAR	ALNORSU	listing rising and setting times of sun and moon [adj]
SPACIAL	AACILPS	spatial (of or pertaining to space) [adj]
SPAMBOT	ABMOPST	computer program that sends out unsolicited e-mail [n -S]
SPAMMED	ADEMMPS	SPAM, to send unsolicited e-mail to large number of addresses [v]
SPAMMER	AEMMPRS	one that spams (to send unsolicited e-mail to large number of addresses) [n -S]
SPARKED	ADEKPRS	SPARK, to give off sparks (small fiery particles) [v]
SPARKLE	AEKLPRS	to give off or reflect flashes of light [v -D, -LING, -S]
SPOTLIT	ILOPSTT	SPOTLIGHT, to light with or as if with spotlight [v]
SPUNKIE	EIKNPSU	light caused by combustion of marsh gas [n -S]
SPUTNIK	IKNPSTU	Soviet artificial earth satellite [n -S]
SPYWARE	AEPRSWY	computer software by which personal information is covertly sent to another computer [n -S]
SQUARKS	AKQRSSU	SQUARK, hypothetical boson analogue of quark [n]
STARLET	AELRSTT	small star [n -S]
STARLIT	AILRSTT	lighted by stars [adj]



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STARRED	ADERRST	STAR, to shine as star (natural luminous body visible in sky) [v]
STATICS	ACISSTT	STATIC, random noise produced in radio or television receiver [n]
STEAMIE	AEEIMST	steamed hot dog [n -S]
STELLAR	AELLRST	pertaining to stars [adj]
STROBED	BDEORST	STROBE, to produce brief, high-intensity flashes of light [v]
STROBES	BEORSST	STROBE, to produce brief, high-intensity flashes of light [v]
SUBCODE	BCDEOSU	subdivision of code [n -S]
SUBCOOL	BCLOOSU	to cool below freezing point without solidification [v -ED, -ING, -S]
SUBMENU	BEMNSUU	secondary list of options for computer [n -S]
SUBNETS	BENSSTU	SUBNET, system of interconnections within communications system [n]
SUBZERO	BEORSUZ	registering less than zero [adj]
SUCKING	CGIKNSU	SUCK, to draw in by establishing partial vacuum [v]
SUMMERS	EMMRSSU	SUMMER, to pass summer (warmest season of year) [v]
SUNBATH	ABHNSTU	exposure to sunlight [n -S]
SUNBEAM	ABEMNSU	beam of sunlight [n -S]
SUNDOGS	DGNOSSU	SUNDOG, small rainbow (arc of spectral colors formed in sky) [n]
SUNLESS	ELNSSSU	having no sunlight [adj]
SUNLIKE	EIKLNSU	resembling sun [adj]
SUNNIER	EINNRSU	SUNNY, filled with sunlight [adj]
SUNNILY	ILNNSUY	SUNNY, filled with sunlight [adv]
SUNRAYS	ANRSSUY	SUNRAY, ray of sunlight [n]
SUNRISE	EINRSSU	ascent of sun above horizon in morning [n -S]
SUNROOM	MNOORSU	room built to admit great amount of sunlight [n -S]
SUNSETS	ENSSSTU	SUNSET, descent of sun below horizon in evening [n]
SUNSPOT	NOPSSTU	dark spot on surface of sun [n -S]
SUNWARD	ADNRSUW	toward sun [adv]
SWELTER	EELRSTW	to suffer from oppressive heat [v -ED, -ING, -S]
SWELTRY	ELRSTWY	oppressively hot [adj -RIES, -RIEST]
SWINGBY	BGINSWY	mission in which spacecraft uses planet's gravitational pull for making course changes [n -S]
SYNCOMS	CMNOSSY	SYNCOM, type of communications satellite [n]
SYNTONY	NNOSTYY	tuning of transmitters and receivers with each other [n -NIES]
SYSTEMS	EMSSSTY	SYSTEM, group of interacting elements forming unified whole [n]
SYZYGAL	AGLSYYZ	SYZYGY, configuration of earth, moon, and sun lying in straight line [adj]

## T 7s - Physics (physics, astronomy, electronics)

TABBING	ABBGINT	use of tab key on keyboard [n -S]
TABLING	ABGILNT	setting of data or information in tables (columns) [n -S]
TACHYON	ACHNOTY	theoretical subatomic particle [n -S]
TAPINGS	AGINPST	TAPING, act or instance of recording something on magnetic tape [n]
TARDYON	ADNORTY	subatomic particle that travels slower than speed of light [n -S]
TASKBAR	AABKRST	row of graphical controls on computer screen [n -S]
TECTITE	CEEITTT	tektite (glassy body believed to be of meteoritic origin) [n -S]
TEEVEES	EEEESTV	TEEVEE, television [n]
TEKTITE	EEIKTTT	glassy body believed to be of meteoritic origin [n -S]
TELECOM	CEELMOT	telecommunication [n -S]
TELEFAX	AEEFLT X	to transmit graphic material over telephone lines [v -ED, -ING, -ES]
TELEXED	DEEELTX	TELEX, to send message by type of telegraphic system [v]
TELEXES	EEELSTX	TELEX, to send message by type of telegraphic system [v]



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TELLIES	EEILLST	TELLY, television set [n]
TELNETS	EELNSTT	TELNET, to access account over Internet using appropriate procedure [v]
TEPIDLY	DEILPTY	TEPID, moderately warm [adv]
TERAOHM	AEHMORT	one trillion ohms [n -S]
TETRODE	DEEORTT	type of electron tube [n -S]
TEXTERS	EERSTTX	TEXTER, one that texts (to send message from one cell phone to another) [n]
TEXTING	EGINTTX	TEXT, to send message from one cell phone to another [v]
TEXTUAL	AELTTUX	pertaining to text [adj]
THAWERS	AEHRSTW	THAWER, one that thaws (to melt (to change from solid to liquid state by heat)) [n]
THAWING	AGHINTW	melting of frozen substance [n -S] / THAW, to melt (to change from solid to liquid state by heat) [v]
THERMAE	AEEHMRT	hot springs [n THERMAE]
THERMAL	AEHLMRT	rising mass of warm air [n -S]
THERMEL	EEHLMRT	device for temperature measurement [n -S]
THERMES	EEHMRST	THERME, therm (unit of quantity of heat) [n]
THERMIC	CEHIMRT	pertaining to heat [adj]
THERMOS	EHMORST	container used to keep liquids either hot or cold [n -SES]
THORONS	HNOORST	THORON, radioactive isotope of radon [n]
TOASTED	ADEOSTT	TOAST, to brown by exposure to heat [v]
TOKAMAK	AAKKMOT	doughnut-shaped nuclear reactor [n -S]
TOKOMAK	AKKMOOT	tokamak (doughnut-shaped nuclear reactor) [n -S]
TOOLBAR	ABLOORT	row of icons on computer screen that activate functions [n -S]
TORREFY	EFORRTY	to subject to intense heat [v -FIED, -ING, -FIES]
TORRIFY	FIORRTY	to torrefy (to subject to intense heat) [v -FIED, -ING, -FIES]
TRAJECT	ACEJRTT	to transmit (to send from one place or person to another) [v -ED, -ING, -S]
TRIMPOT	IMOPRTT	small instrument for adjusting resistance or voltage [n -S]
TRIODES	DEIORST	TRIODE, type of electron tube [n]
TROLAND	ADLNORT	unit of measurement of retinal response to light [n -S]
TWINKLE	EIKLNTW	to shine with flickering or sparkling light [v -D, -LING, -S]
TWISTOR	IORSTTW	complex variable in descriptions of space-time [n -S]
TYCHISM	CHIMSTY	proposition that chance is operative in universe [n -S]

## U 7s - Physics (physics, astronomy, electronics)

UFOLOGY	FGLOOUY	study of unidentified flying objects [n -GIES]
UNCODED	CDDENOU	coded [adj]
UNICOMS	CIMNOSU	UNICOM, radio communications system at some airports [n]
UNTHAWS	AHNSTUW	UNTHAW, to thaw (to melt (to change from solid to liquid state by heat)) [v]
UNWAXED	ADENUWX	not waxed (to coat with wax (natural, heat-sensitive substance)) [adj]
UPLINKS	IKLNPSU	UPLINK, to transmit (data) to spacecraft or satellite [v]
UPLOADS	ADLOPSU	UPLOAD, to transfer information from small computer to larger computer [v]
UPTIMES	EIMSSTU	UPTIME, time during which machinery is functioning [n]
URANIDE	ADEINRU	uranium (radioactive element) [n -S]
URANIUM	AIMNRUU	radioactive element [n -S]
URANOUS	ANORSUU	pertaining to uranium (radioactive element) [adj]
URODELE	DEELORU	type of amphibian (cold-blooded animal that grows from juvenile water-breathing form to adult air-breathing form) [n -S]

## V 7s - Physics (physics, astronomy, electronics)

VACUITY	ACITUVY	empty space [n -TIES]
VACUUMS	ACMSUUV	VACUUM, space entirely devoid of matter [n]
VALENCE	ACEELNV	degree of combining power of element or radical [n -S]



# Down to a Science - Physics

7-letter bingos about **SCIENCE - PHYSICS (physics, astronomy, electronics)** go down on your board  
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VALENCY	ACELNVY	valence (degree of combining power of element or radical) [n -CIES]
VECTORS	CEORSTV	VECTOR, to guide in flight by means of radioed directions [v]
VEEJAYS	AEEJSVY	VEEJAY, announcer on program of music videos [n]
VIDEOED	DDEEIOV	VIDEO, to record visual images on magnetic tape or disc [v]
VIDICON	CDIINOV	type of television camera tube [n -S]
VIDIOTS	DIIOSTV	VIDIOT, habitual, indiscriminating viewer of television [n]
VLOGGED	DEGGLOV	VLOG, to blog video material [v]
VLOGGER	EGGLORV	one that vlogs (to blog video material) [n -S]
VOCODER	CDEOORV	electronic device used in transmitting speech signals [n -S]
VODCAST	ACDOSTV	to make video files available for download over Internet [v VODCAST or -ED, -ING, -S]
VOLTAGE	AEGLOTV	electromotive force expressed in volts [n -S]
VOLTAIC	ACILOTV	VOLTAISM, electricity produced by chemical action [adj]

## W 7s - Physics (physics, astronomy, electronics)

WAREZES	AEERSWZ	WAREZ, illegally copied software [n]
WARMERS	AEMRRSW	WARMER, one that warms (to make warm) [n]
WARMEST	AEMRSTW	WARM, moderately hot [adj]
WARMING	AGIMNRW	act or instance of making something warm [n -S] / WARM, to make warm [v]
WARMISH	AHIMRSW	somewhat warm [adj]
WARMTHS	AHMRSTW	WARMTH, warmness (state of being warm (moderately hot)) [n]
WARMUPS	AMPRSUW	WARMUP, preparatory exercise or procedure [n]
WATTAGE	AAEGTTW	amount of power in terms of watts [n -S]
WAVELET	AEELTVW	small wave [n -S]
WAVICLE	ACEILVW	subatomic particle that can act like both wave and particle [n -S]
WAVIEST	AEISTVW	WAVY, having waves [adj]
WAXABLE	AABELWX	WAX, to coat with wax (natural, heat-sensitive substance) [adj]
WEAKONS	AEKNOSW	WEAKON, subatomic particle [n]
WEBCAMS	ABCEMSW	WEBCAM, camera used for transmitting live images over World Wide Web [n]
WEBCAST	ABCESTW	to transmit sound and images via World Wide Web [v -ED, -ING, -S]
WEBINAR	ABEINRW	live interactive educational presentation conducted on website [n -S]
WEBLOGS	BEGLOSW	WEBLOG, website that contains online personal journal [n]
WEBPAGE	ABEEGPW	single document on World Wide Web [n -S]
WEBSITE	BEEISTW	set of interconnected webpages maintained by individual or organization [n -S]
WEBZINE	BEEINWZ	magazine published on Internet [n -S]
WEIGHED	DEEGHIW	WEIGH, to determine weight of [v]
WELDERS	DEELRSW	WELDER, one that welds (to join by applying heat) [n]
WELDING	DEGILNW	WELD, to join by applying heat [v]
WELDORS	DELORSW	WELDOR, welder (one that welds (to join by applying heat)) [n]
WELKINS	EIKLNSW	WELKIN, sky [n]
WETSUIT	EISTTUW	close-fitting rubberlike suit worn in cold water by skin divers [n -S]
WETWARE	AEERTWW	human brain when considered functionally equivalent to computer [n -S]
WINTERS	EINRSTW	WINTER, to pass winter (coldest season of year) [v]
WIREMAN	AEIMNRW	one who makes or works with wire [n -MEN]
WIRETAP	AEIPRTW	to intercept messages by means of concealed monitoring device [v -PED, -PING, -S]
WIREWAY	AEIRWWY	tube for protecting electric wires [n -S]
WIRINGS	GIINRSW	WIRING, system of electric wires [n]
WYSIWYG	GISWWYY	denoting text on display screen that exactly corresponds to its appearance on printout [adj]

## X 7s - Physics (physics, astronomy, electronics)



# Down to a Science - Physics

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## **Y 7s - Physics (physics, astronomy, electronics)**

## **Z 7s - Physics (physics, astronomy, electronics)**

ZAPPERS

AEPPRSZ

ZAPPER, device that zaps [n]

ZENITHS

EHINSTZ

ZENITH, highest point [n]

ZODIACS

ACDIOSZ

ZODIAC, imaginary belt encircling celestial sphere