



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)

| | | |
|---------|---------|--|
| 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] |
| 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] |
| 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] |
| 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] |
| 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] |
| 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] |
| BIMORPH | BHIMOPR | device consisting of two crystals cemented together [n -S] |
| BIOCHIP | BCHIIOIP | 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] |
| 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] |



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| | | |
|---------|---------|--|
| BLOGGER | BEGGLOR | one who blogs [n -S] |
| BOFFINS | BFFINOS | BOFFIN, scientific expert [n] |
| BOFFINY | BFFINOY | BOFFIN, scientific expert [adj] |
| BOLIDES | BDEILOS | BOLIDE, exploding meteor [n] |
| BOOTING | BGINOOT | BOOT, to load program into computer [v] |
| BOSONIC | BCINOOS | BOSON, subatomic particle [adj] |
| BOTNETS | BENOSTT | BOTNET, network of computers controlled by malware [n] |
| BUOYANT | ABNOTUY | having buoyancy (tendency to float) [adj] |
| BUSBARS | ABBRSSU | BUSBAR, type of electrical conductor [n] |

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

| | | |
|---------|---------|--|
| 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] |
| CATHODE | ACDEHOT | negatively charged electrode [n -S] |
| CENTALS | ACELNST | CENTAL, unit of weight [n] |
| CENTNER | CEENNRT | unit of weight [n -S] |
| CEPHEID | CDEEHIP | giant star [n -S] |
| CHAOSES | ACEHOSS | CHAOS, state of total disorder; confused mass [n] |
| CHAOTIC | ACCHIOT | CHAOS, state of total disorder; confused mass [adj] |
| CHARISM | ACHIMRS | charisma (special magnetic appeal) [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] |
| 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] |
| 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] |

D 7s - Physics (physics, astronomy, electronics)

| | | |
|---------|---------|---------------------------------|
| DALTONS | ADLNOST | DALTON, unit of atomic mass [n] |
|---------|---------|---------------------------------|



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| 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 the 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] |
| 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 | CDEPTY | 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 | diopter (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] |
| DUENDES | DDEENSU | DUENDE, charisma (special magnetic appeal) [n] |
| 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] |
| ENTROPY | ENOPRTY | thermodynamic measure of disorder [n -PIES] |
| ETOILES | EEILOST | ETOILE, star [n] |
| EUCRITE | CEEIRTU | type of meteorite [n -S] |
| EXABYTE | ABEETXY | one quintillion bytes [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] |



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| | | |
|---------|---------|--|
| 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] |
| FARADAY | AAADFRY | unit of electricity [n -S] |
| FARADIC | AACDFIR | pertaining to type of electric current [adj] |
| 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] |
| FIRELIT | EFIILRT | lighted by firelight [adj] |
| 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] |
| FREEZES | EEEFRSZ | FREEZE, to become hardened into solid body by loss of heat [v] |
| FRESNEL | EEFLNRS | type of lens used in lights [n -S] |

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] |
| 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] |
| 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] |



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| | | |
|---------|---------|--|
| HASSIUM | AHIMSSU | radioactive element [n -S] |
| 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] |
| HOOKUPS | HKOOPSU | HOOKUP, electrical assemblage [n] |
| HORIZON | HINOORZ | line where sky seems to meet earth [n -S] |
| HOTLINK | HIKLNOT | connection between two computer files [n -S] |
| HOTTING | GHINOTT | HOT, to heat (to make hot) [v] |
| 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] |
| 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)

| | | |
|---------|---------|---|
| KATHODE | ADEHKOT | cathode (negatively charged electrode) [n -S] |
| 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] |
| 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] |



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|---------|----------|--|
| LEPTONS | ELNOPST | LEPTON, subatomic particle [n] |
| LICHTED | CDEHILT | LICHT, to light (to illuminate) [v] |
| LIGHTED | DEGHILT | LIGHT, to illuminate [v] |
| 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] |
| 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 | FIIILQUY | 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] |
| LOGOUTS | GLOOSTU | LOGOUT, act of ending connection with computer system [n] |
| LYRICON | CILNORY | electronic wind instrument [n -S] |

M 7s - Physics (physics, astronomy, electronics)

| | | |
|---------|---------|--|
| MAGLEVS | AEGLMSV | MAGLEV, train using magnets to move above the tracks [n] |
| MAGNETO | AEGMNOT | type of electric generator [n -S] |
| MAGNETS | AEGMNST | MAGNET, body that possesses the property of attracting iron [n] |
| MALWARE | AAELMRW | software designed to disable computers [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] |
| MISKEYS | EIKMSSY | to key into machine incorrectly [v] |
| MISTBOW | BIMOSTW | fogbow (nebulous arc of light sometimes seen in fog) [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] |
| MUONIUM | IMMNOUU | electron and positive muon bound together [n -S] |

N 7s - Physics (physics, astronomy, electronics)

| | | |
|---------|---------|--|
| NAGWARE | AAEGNRW | software that is at first free but often reminds user to pay for it [n -S] |
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|---|---------|---|
| 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] |
| 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] |
| NUCLIDE | CDEILNU | species of atom [n -S] |
| 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] |
| OSMOLES | ELMOOSS | OSMOLE, osmol (unit of osmotic pressure) [n] |
| 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] |
| PARTONS | ANOPRST | PARTON, hypothetical atomic particle [n] |
| PASCALS | AACLPS | PASCAL, unit of pressure [n] |
| 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] |



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

| | | |
|---------|---------|---|
| PHISHER | EHHIPRS | one that phishes (to engage in phishing) [n -S] |
| PHISHES | EHHIPSS | PHISH, to engage in phishing [v] |
| PHOEBUS | BEHOPUS | sun [n -ES] |
| PHONICS | CHINOPS | science of sound [n] |
| 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] |
| 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] |
| PREHEAT | AEEHPRT | to heat beforehand [v -ED, -ING, -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 | AMNQUTU | 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] |
| RADOMES | ADEMORS | RADOME, domelike device used to shelter radar antenna [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 | AEFLLRS | REFALL, FALL, to descend under force of gravity [v] |
| REFRACT | ACEFRRT | to deflect in particular manner, as ray of light [v -ED, -ING, -S] |



Down to a Science - Physics

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| | | |
|---------|---------|---|
| 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] |
| 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] |
| REMELTS | EELMRST | REMELT, 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] |
| REWEIGH | EEGHIRW | WEIGH, to determine weight of [v -ED, -ING, -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)

| | | |
|----------|---------|---|
| SAROSSES | AEORSSS | SAROS, eclipse cycle of sun and moon [n] |
| SATCOMS | ACMOSST | SATCOM, satellite communications [n] |
| SCALARS | AACLRSS | SCALAR, mathematical quantity possessing only magnitude [n] |
| 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] |
| SELSYNS | ELNSSSY | SELSYN, type of remote-control device [n] |
| SENSORS | ENORSSS | SENSOR, device that receives and responds to stimulus [n] |
| SFERICS | CEFIRSS | electronic detector of storms [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] |
| 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] |
| SKYGLOW | GKLOSWY | glow in night sky resulting from urban lights [n -S] |
| SKYWARD | ADKRSWY | toward sky [adv] |
| 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] |
| 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 the combustion of marsh gas [n -S] |
| SPYWARE | AEPRSWY | computer software by which personal information is covertly sent to another computer [n -S] |
| STARLIT | AILRSTT | lighted by stars [adj] |



Down to a Science - Physics

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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] |
| 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] |
| 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] |
| SYNCOMS | CMNOSSY | SYNCOM, type of communications satellite [n] |
| 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 | EEEEESTV | TEEVEE, television [n] |
| TEKTITE | EEIKTTT | glassy body believed to be of meteoritic origin [n -S] |
| TELECOM | CEELMOT | telecommunication [n -S] |
| TELEFAX | AEEFLTX | 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] |
| TELLIES | EEILLST | TELLY, television set [n] |
| TELNETS | EELNSTT | TELNET, to access account over Internet using appropriate procedure [v] |
| TETRODE | DEEORTT | type of electron tube [n -S] |
| THERMIC | CEHIMRT | pertaining to heat [adj] |
| TOKAMAK | AAKKMOT | doughnut-shaped nuclear reactor [n -S] |
| TOKOMAK | AKKMOT | tokamak (doughnut-shaped nuclear reactor) [n -S] |
| TOOLBAR | ABLOORT | row of icons on computer screen that activate functions [n -S] |



Down to a Science - Physics

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| | | |
|---|---------|--|
| 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) | | |
| UNCODED | CDDENOU | coded [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] |
| 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] |
| 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] |
| VLOGGED | DEGGLOV | VLOG, to blog video material [v] |
| VLOGGER | EGGLORV | one that vlogs (to blog video material) [n -S] |
| VOCODER | CDEORV | 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] |
| 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] |
| 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] |
| WELKINS | EIKLNSW | WELKIN, sky [n] |
| WETWARE | AEERTWW | human brain when considered functionally equivalent to computer [n -S] |
| 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)



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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 |