

Physical Science Vocabulary

Academic Vocabulary

- absorption
- abundant
- acronym
- analogy
- analyze
- apply
- approximate
- average
- balanced
- calculate
- characteristic
- clarify
- classify
- coefficient
- compare
- comprised
- continuum
- contract
- correlate
- criteria
- directly proportional
- displacement
- distinguish
- dynamic
- emission
- emit
- equals
- estimate
- evaluate
- evidence
- example
- expand
- expansion
- explain
- fate
- graph
- hypothesize
- imply
- infer
- interact
- interpret
- inversely proportional
- key
- label
- lack
- magnitude
- manipulate
- mean
- measure
- observe
- opaque
- opinion
- pattern
- per
- phenomenon
- plausible
- position
- postulate
- predict
- procedure
- produce
- proportional
- propose
- qualitative
- quantify
- quantitative
- rank
- sequence
- share
- simultaneous
- spectrum
- static
- stationary
- subscript
- trait
- transfer
- translucent
- transparent
- trend
- valid
- vary
- yields

Content Vocabulary

- absorb
- absorption
- acceleration
- albedo
- alkali metals
- alkaline earth metals
- amperes (amps)
- amplitude
- anion
- apparent brightness
- atom
- atomic mass
- atomic mass unit (amu)
- atomic number
- average acceleration formula
[$a_{\text{avg}} = v_f - v_i / (t_f - t_i)$]
- average speed
- average velocity
- average velocity formula [$v_{\text{avg}} = (x_f - x_i) / (t_f - t_i)$]
- balanced equation
- balanced forces
- Big Bang Theory
- black hole
- blue shift
- Bohr model
- boiling point
- bond
- bonds
- cation
- cell
- charge
- chemical change
- chemical equation
- chemical formula
- chemical property

Physical Science Vocabulary

- chemical reaction
- circuit
- circuit breaker
- cluster
- coefficient
- colloid
- color
- complete
- compound
- compression
- condensation
- conduction
- conductor
- conservation of energy
- constant acceleration
- constant velocity
- constructive interference
- convection
- cosmic microwave background radiation
- coulomb
- covalent bond
- crest
- current
- cycle
- density
- destructive interference
- diffraction
- direction
- disassociation
- displacement
- displacement formula ($\Delta x = x_f - x_i$)
- distance
- distance-time graph
- Doppler Effect
- ductile
- electric charge
- electric field
- electrical potential energy
- electromagnetic spectrum
- electron
- electron cloud/shell
- electron flow
- element
- elliptical galaxy
- emit
- endothermic
- energy
- energy transfer
- energy transformation
- evaporation
- exothermic
- field
- force
- force diagram
- formula for weight ($F_g = m \cdot g$)
- frame of reference
- frequency
- friction
- fuse
- $g = 9.8 \text{ m/s}^2$
- $g = 9.8 \text{ N/kg (m/s}^2)$
- galaxy
- gamma rays
- GPE - mgh
- gravitational attraction
- gravitational force
- gravity
- group
- half-life
- halogens
- heat
- Hertzsprung-Russell diagram
- heterogeneous
- homogenous
- horizontal force
- Hubble's Law
- incidence
- incomplete
- inert
- inertia
- infrared
- instantaneous speed
- insulator
- interacting force pair
- interference
- interstellar
- ion
- ionic bond
- irregular galaxy
- isotope
- joules
- $KE = 1/2mv^2$
- $kg \cdot m/s^2$
- kinetic energy
- lattice
- Law of Conservation of Energy
- Law of Conservation of Matter
- Lewis dot diagram
- light telescope
- light year
- longitudinal/compressional
- luminosity
- magnitude
- main sequence
- malleable
- mass number
- matter
- medium/media
- melting point
- metal
- metal cation
- metalloid/semi-conductor
- microwave
- Milky Way
- mixture
- molecule
- momentum
- motion
- motion diagram
- nebula
- negative
- negative acceleration
- net force
- neutral
- neutron
- neutron star
- Newton
- noble gases
- nonmetal
- nonmetal anion
- normal force
- nuclear fission
- nuclear fusion
- nucleus
- objects at rest
- parallel circuit
- particle
- particle accelerator
- period
- periodic law

Physical Science Vocabulary

- periodicity
- phase
- phase change
- physical change
- physical property
- position
- position-time graph
- positive
- positive acceleration
- potential difference
- potential energy (gravitational, elastic, chemical)
- product
- proton
- protostar
- pure substance
- quasar
- radiation
- radio telescope
- radio wave
- radioactive dating
- radioactive decay
- radioactive isotope
- rarefaction
- reactant
- red giant
- red shift
- reflection
- refraction
- resistance
- resistor
- schematic diagram
- series circuit
- slope
- solubility
- solute
- solution
- solvent
- sound wave
- space probes
- speed
- spiral galaxy
- stable
- star
- star system
- stellar life cycle
- straight-line motion
- strong nuclear force
- sublimation
- subscript
- supergiant
- supernova
- superposition
- surface area
- suspension
- temperature
- tension force
- texture
- thermal
- thermal conductivity
- thermal conductors
- thermal energy
- thermal energy transfer
- thermal equilibrium
- thermal insulation
- time
- transition metals
- transverse
- trough
- ultraviolet
- unbalanced forces
- universe
- valence
- vaporization
- vector
- vector property
- vector sum of applied forces
- velocity
- velocity-time graph
- vertical force
- viscosity
- visible
- volt
- voltage
- wave
- wave speed
- wavelength
- weak nuclear force
- weight
- white dwarf
- work
- x-ray telescope
- x-rays