

1. chemical property	any property that produces a change in the composition of matter	27. thermal conductor	a material that conducts thermal energy well
2. flammability	A material's ability to burn in the presence of oxygen	28. thermal insulator	A material that reduces or prevents the transfer of heat
3. reactivity	How readily a substance combines chemically with other substances.	29. convection	The transfer of heat by the movement of a fluid
4. chemical change	A change in matter that produces one or more new substances	30. convection current	a current caused by the rising of heated fluid and sinking of cooled fluid
5. precipitate	A solid that forms from a solution during a chemical reaction.	31. radiation	Energy that is radiated or transmitted in the form of rays or waves or particles.
6. solid	Definite shape and volume	32. thermodynamics	the study of conversions between thermal energy and other forms of energy
7. liquid	A state of matter that has no definite shape but has a definite volume.		
8. gas	A state of matter with no definite shape or volume		
9. kinetic energy	Energy of motion		
10. phase change	a transition of matter from one state to another		
11. endothermic	chemical reaction that requires a net input of energy and absorbs heat		
12. heat of fusion	Amount of energy required to change a substance from the solid phase to the liquid phase.		
13. exothermic	releases energy and heat		
14. heat of vaporization	The amount of energy required for the liquid at its boiling point to become a gas		
15. evaporation	Liquid to gas		
16. vapor pressure	a measure of the force exerted by a gas above a liquid		
17. condensation	Gas to liquid		
18. sublimation	Solid to gas		
19. deposition	Gas to solid		
20. heat	the transfer of thermal energy		
21. temperature	A measure of how hot or cold something is.		
22. absolute zero	The temperature at which no more energy can be removed from matter; 0 Kelvins		
23. thermal expansion	An increase in the size of a substance when the temperature is increased		
24. specific heat	the amount of heat necessary to increase the temperature of a substance		
25. calorimeter	a measuring instrument that determines quantities of heat		
26. conduction	the transfer of energy as heat through a material		