

Physical and Chemical Properties Spelling and Vocabulary

- 1. Physical property – any characteristic of matter that can be observed or measured without changing the identity of the substance**
- 2. Chemical property – a characteristic that gives the substance the ability to undergo a change that results in a new substance**
- 3. Matter – anything that has mass and takes up space**
- 4. Mass – the amount of matter in an object**
- 5. Volume – the amount of space an object takes up**
- 6. Density – amount of mass in a given volume**
- 7. Solid – particles in a solid vibrate or move in a fixed position; gives a definite shape and volume**
- 8. Liquid – particles move much faster and have enough energy to slide past one another; takes the shape of the container**
- 9. Gas – particles are moving so fast, they have enough energy to move freely away from other particles; they will spread out and fill the container or escape**
- 10. Plasma – extremely hot, electrically charged gaseous material**
- 11. Luster – shiny appearance**
- 12. Malleability – ability of a metal to be hammered, pressed, or rolled into thin sheets**
- 13. Ductility – ability of a metal to drawn into thin wires**
- 14. Magnetism – ability of a metal to be attracted to a magnet**
- 15. Flammability – ability of a substance to burn**
- 16. React – to change in response to something**
- 17. Conservation – to preserve a physical quantity during a reaction**
- 18. Length – a measured distance or dimension**
- 19. Melting point – temperature at which a solid becomes a liquid**
- 20. Boiling point – temperature at which a liquid becomes a gas**