

Physical and Chemical Changes and Properties

Part A: Identify the following as a chemical or physical ***property***:

- 1) Blue colour
- 2) Density
- 3) Flammability (burns)
- 4) Solubility (dissolves)
- 5) Reacts with acid
- 6) Supports combustion
- 7) Sour taste
- 8) Melting point
- 9) Reacts with water
- 10) Hardness
- 11) Boiling Point
- 12) Luster (how shiny it is)
- 13) Odor
- 14) Reacts with air

Part B: Identify the following as a physical or chemical ***change***:

- 1) Table salt dissolving into water
- 2) Silver tarnishing
- 3) An apple is cut
- 4) Heat changes water into steam

- 5) Baking soda reacts to vinegar
- 6) Iron rusting
- 7) Alcohol evaporating
- 8) Ice melting
- 9) Milk souring
- 10) Sugar dissolving in water
- 11) Wood rotting
- 12) Pancakes cooking
- 13) Grass growing
- 14) A tire inflating
- 15) Food being digested in your stomach
- 16) Paper towels absorbing water.

Part C: True or False

1. Changing the size and shapes of pieces of wood would be a chemical change.
2. In a physical change, the makeup of matter is changed.
3. Evaporation occurs when liquid water changes into a gas.
4. Evaporation is a physical change.
5. Burning wood is a physical change.
6. Combining hydrogen and oxygen to make water is a physical change.
7. Breaking up concrete is a physical change.
8. Sand being washed out to sea from the beach is a chemical change.
9. When ice cream melts, a chemical change occurs.
10. Acid rain damaging a marble statue is a physical change.