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.