**Properties of Matter**

All things are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Definitions:

**Matter**

**Mass**

**Volume**

**Physical Properties of Matter** – characteristics of matter that can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Qualitative Properties**

**Quantitative Properties**

|  |  |
| --- | --- |
| **Physical Property** | **Description** |
| *Qualitative* |
| State |  |
| Colour |  |
| Malleability |  |
| Ductility |  |
| Crystallinity |  |
| Magnetism |  |
| *Quantitative* |
| Solubility |  |
| Conductivity |  |
| Viscosity |  |
| Density |  |
| Melting/freezing point |  |
| Boiling/condensing point |  |

**Chemical Properties of Matter**

-indicates how a substance \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-matter will be changed into a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ after the reaction

**Physical Change vs Chemical Change**

**Physical Changes**

**Chemical Change**

**Quiz!**

State whether it is a physical or chemical change:

1. Glass breaking
2. Hammering wood together to form a house
3. A rusting bicycle
4. Melting butter for popcorn
5. Spoiling food
6. Mixing Kool-Aid into water
7. Mowing the lawn
8. Corroding metal
9. Bleaching your hair
10. Fireworks exploding
11. Squeezing oranges to make juice
12. Frying an egg
13. Making salt water
14. Burning leaves
15. Freezing grapes