Physical and Chemical Properties

**Physical Property** ~ a characteristic or description of a substance that may help you to identify it  *(does not involve a substance becoming a new substance)*

- **Hardness** ~ measure of the resistance of a solid being scratched or dented
- **Malleability** ~ the ability to be hammered into thin sheets (alternative, brittle)
- **Ductility** ~ the ability to be pulled into wires
- **Melting and Boiling Points** ~ the temperature at which the substances change state
- **Crystal Form** ~ solid form of many minerals in which you can see a definite structure of cubes or blocks with a regular pattern
- **Solubility** ~ the ability of a substance to dissolve in a solvent, such as water
- **Viscosity** ~ how easily a liquid flows
- **Density** ~ the amount of matter for unit volume of that matter

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**Chemical Property** ~ the behaviour of a substance as it becomes a new substance

- **Combustibility** ~ the ability of a substance to react with oxygen to produce carbon dioxide
- **Reaction with acid** ~ the ability of a substance to react with an acid