**Physical Property Notes – to go in your notebook**

**Define physical property:** A physical property is a characteristic of matter that you can observe or measure without changing the identity of the matter. Ex: color, shape, state of matter, volume, mass, density, etc.

**Define the physical properties in the table below and give an example**.

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| **Physical Property** | **Definition**  | **Example** |
| Mass | The amount of matter in an object.  | A rock has a mass of 5g. |
| Conductivity | The ability of matter to conduct, or carry along, electricity or heat. | Most metals conduct heat.  |
| Volume | The amount of space something occupies.  | The water had a volume of 20mL. |
| Boiling/Melting Point | The temperature at which a material changes state.  | Water boils at 100 degrees C.  |
| State of Matter | Whether something is a solid, liquid, or a gas.  | The ice cube is in a solid state.  |
| Density | The amount of mass per volume. D = $\frac{M}{V}$ | Water has a density of 1.0g/mL. |
| Solubility | The ability of one substance to dissolve in another.  | Sugar is soluble in water. |
| Magnetism | Attractive force for some metals, especially iron.  | Paperclips are magnetic b/c the magnet will pick them up.  |
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