Year 08

Physics

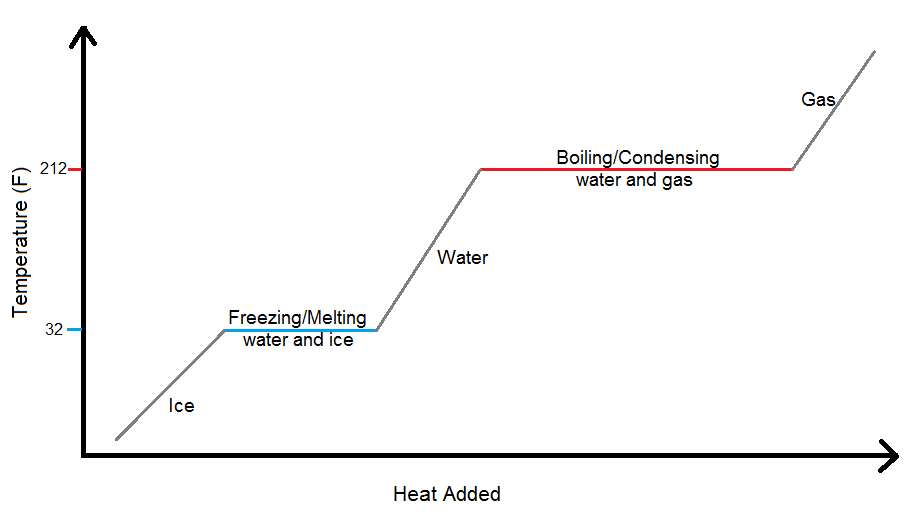
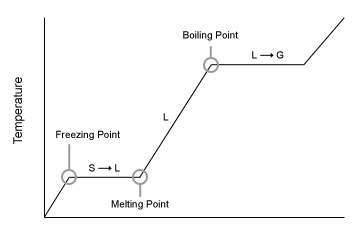
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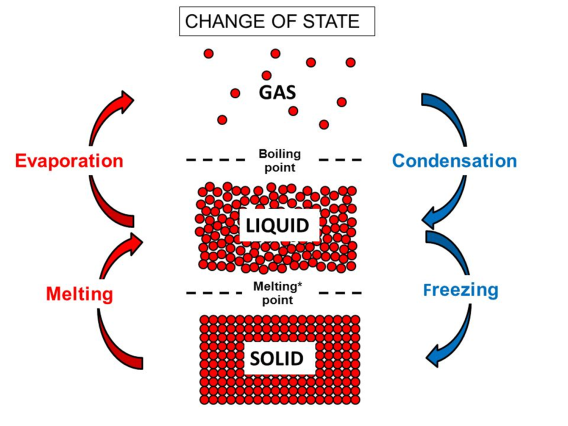
Changing state

**Melting** and **freezing point**

The **melting point** of a substance is the temperature at which it changes state from solid to liquid. At the **melting point** the solid and liquid phase exist in equilibrium.

The **melting point** for water is 0 degrees C. When the opposite happens and a liquid turns into a solid, it is called **freezing**. When a liquid becomes a gas it is called **boiling** or vaporization. ... The **boiling point** for water is 100 degrees C





Why is the **melting** and **freezing** **point of water** the **same**?

* Because **melting point** and **freezing point** describe the **same** transition of matter, in this case from liquid to solid (**freezing**) or equivalently, from solid to liquid (**melting**).

Why do we **sweat**?

* It's perfectly normal to **sweat**. **Sweating** plays an important health role because it helps maintain body temperature by cooling us down. When **we**'re hot and **we sweat**, that moisture evaporates and cools us off a bit. It's perfectly normal to **sweat**. **Sweating** plays an important health role because it helps maintain body temperature by cooling us down. When **we**'re hot and **we sweat**, that moisture evaporates and cools us off a bit.