**Expansion of Water**

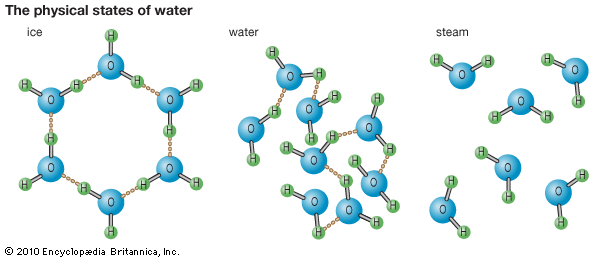
**Most types of matter will always expand when it is heated.**

**Water is different because it contracts when it changes temperature from 0 C (solid) to 4 C (Liquid).**

**One of the reasons that this occurs is because of the unique shape of the ice crystals.**

**Since ice forms a Hexagon shape when water freezes it is less dense than liquid water that is at 4 C.**

**Example:**



**Ice Water @ 4 C Steam.**

**\*\*This is why ice floats in water.**