**Heat Glossary 1**

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| **Term** | **Meaning** |
| **Heat** | **A form of energy that transfers among the particles in a substance. The hotter something is the faster the particles in it move.** |
| **Temperature** | **A measure of how hot or cold something is. The average kinetic energy of the particles in a substance. Measured with a thermometer in degrees Celcius.(oC)** |
| **Particle Theory** | **The theory that all matter is made of tiny moving particles. The hotter something is the faster the particles move.** |
| **Specific heat capacity** | **The amount of heat energy needed to raise the temperature of 1 gram of a substance by 1 degree Celcius. For water it is 4.2J and for Mercury 0.1J** |
| **Absolute zero** | **The theoretical temperature at which the particles in a substance would have no kinetic energy, that is, no heat. -273.4oC or zero Kelvin (0K)** |