Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Term 5 Week 5

1. If the plunger of the syringe is pushed 2 mL, what will happen to the **number** of particles in the clamped syringe?
2. I have 30g of water. How many calories would it take to increase the temperature 15⁰C?

Cal = m x T

1. **An insulator is…**
   1. The transfer of energy
   2. The amount of energy something has
   3. Material that allows the transfer of energy
   4. Material that blocks the transfer of energy

4-6. **Match the type of heat transfer with its definition**

Electromagnetic waves

Movement of liquid or gas because of difference in densities

Direct contact

Conduction

Radiation

Convection