HEAT

1. How does thermal energy travel through objects?
   - It travels from a colder object to a hotter one.
   - It travels from a hotter object to a coder one.

2. How does thermal energy travel through objects?
   - By conductors and insulators.
   - By conduction, convection and radiation.

3. Convection occurs when...
   - Two objects are in contact and thermal energy is transferred from one object to the other.
   - Thermal energy is transferred by the movement of fluid.

4. What material is a thermal conductor?
   - Metal
   - Paper

5. What material is a thermal insulator?
   - Water
   - Wood

6. What are the effects of thermal energy?
   - Melting, chemical changes, expansion, evaporation.
   - Melting, evaporation, radiation, expansion.

7. Melting occurs when...
   - A solid changes into a gas.
   - A solid changes into a liquid.

8. Evaporation occurs when...
   - A liquid changes into a gas
   - A solid changes into a gas.

9. Thermal energy can cause permanent changes to materials.
   - True
   - False

10. In expansion, thermal energy causes...
    - The molecules in a solid, liquid or gas to vibrate.
    - The molecules in a solid or gas to vibrate.

LIVEWORKSHEETS