

## Earth Science Chapter 5: Convection and the Mantle

*Answer all of the questions below by circling the correct answer. Remember to read all of the choices before making a decision. Answers that cannot be read will be counted as incorrect.*

1. The transfer of energy through space is called
  - a. conduction
  - b. radiation
  - c. transduction
  - d. cooking
2. Heat always moves from a warmer substance to a \_\_\_\_\_ substance.
  - a. hotter
  - b. melted substance
  - c. cooler
  - d. none of the above
3. What is conduction?
  - a. the transfer of heat within a material or between touching materials
  - b. when sparks fly between two wires
  - c. when you behave properly
  - d. the melting of objects above 2000°C
4. The measure of how much mass there is in a volume of a substance is know as
  - a. mathematics
  - b. equations
  - c. quantum physics
  - d. density
5. Heat from the core and the mantle itself causes \_\_\_\_\_ in the mantle.
  - a. conduction
  - b. heat transfer
  - c. convection current
  - d. viscosity