1. Hot tea is poured into a cold ceramic bowl. Which of the following most likely happens?
   1. Heat moves from the bowl to the tea
   2. Heat moves from the tea to the bowl
   3. Heat does not move between the bowl and the tea
   4. Heat moves both ways between the bowl and the milk
2. A student observes and records changes in some materials. Which is an example of a new substance forming?
   1. A window breaking
   2. A chocolate bar melting
   3. A puddle of water evaporating
   4. A bicycle rusting
3. Which is an example of heat being transferred by radiation?
   1. An electric blanket warming the person underneath
   2. An ice cube melting in a hot cup of coffee
   3. Hot water moving from the bottom of a pot to the top
   4. Sunlight warming a puddle of water
4. Spoons made of steel, wood, copper, and plastic are placed in a pot of hot water. Which spoon or spoons will most likely heat up easily?
   1. Steel spoon
   2. Steel and copper spoons
   3. Steel, wood, and copper spoons
   4. Steel, wood, and plastic spoons
5. When does heat stop flowing between two objects?
   1. When one object loses enough heat to freeze
   2. When the objects reach the same temperature
   3. When one object loses all of its heat
   4. When one object gains enough heat to melt
6. If a girl mixes 9 ounces of walnuts, 5 ounces of shredded coconut, and 8 ounces of raisins together, how much snack food will she have?
   1. 9 ounces
   2. 22 ounces
   3. 98 ounces
   4. 58 ounces
7. Which object would best conduct thermal energy?
   1. Plastic bowl
   2. Silver spoon
   3. Glass pan
   4. Wooden spoon
8. Which process describes water flowing downhill over the land surface?
   1. Transpiration
   2. Condensation
   3. Runoff
   4. Precipitation
9. A boy lets go of his pencil and it fall towards the floor. Which is the best explanation for why the pencil moves toward the ground?
   1. The pencil’s mass increases
   2. The boy exerts a force on the pencil
   3. Friction pulls on the pencil
   4. Gravity pulls on the pencil
10. Which is an example of heat transfer by conduction?
    1. A campfire warms the campers sitting near it
    2. Sunlight heats the sand on the beach
    3. A metal spoon gets hot in a pot of boiling water
    4. A radiator warms the air throughout a room