

Lesson Quiz

Changes in Matter

Write the letter of the correct answer on the line at the left.

1. ___ Which of the following is **not** a physical change?
A glass breaking
B iron rusting
C ice melting
D sugar dissolving
2. ___ Which of the following is **not** a chemical change?
A leaves turning color
B fruit ripening
C silver tarnishing
D food coloring dissolving in water
3. ___ Butter is melted in a pan. Which of the following is true about the change?
A It is a physical change that releases energy.
B It is a chemical change that absorbs energy.
C It is a physical change that absorbs energy.
D It is a chemical change for which there is no change in energy.
4. ___ The energy stored in the bonds between atoms is
A chemical energy
B thermal energy
C electrical energy
D endothermic energy

Fill in the blank to complete each statement.

5. A(n) _____ change releases energy.
6. New substances are produced by a(n) _____ change.
7. _____ is related to the energy of motion of the particles of matter.
8. The law of _____ of mass states that in any physical or chemical change, matter is neither created nor destroyed.
9. _____ energy naturally flows from warmer matter to cooler matter.
10. The form or appearance of matter is altered during a(n) _____ change.