Name Date Class



 **LESSON 1**

**Lesson Quiz B**

***Electromagnetic Radiation***

**Short Answer**

**Directions:** *Respond to each statement on the lines provided.*

**1. State** what happens when electromagnetic waves meet any type of matter.

**2. Contrast** electromagnetic waves with waves in a lake or pond.

**3. Relate** movement of an object’s particles to the temperature of the object.

**4. Define** *electromagnetic wave*.

**Multiple Choice**

**Directions:** *On the line before each question or statement, write the letter of the correct answer.*

 **5.** Which statement is true of all electromagnetic waves?

**A.** They are visible.

**B.** They require a medium.

**C.** They travel at the same speed.

**D.** They carry the same amount of energy.

 **6.** The speed of an electromagnetic wave can be found by calculating

**A.** frequency + wavelength.

**B.** frequency − wavelength.

**C.** frequency × wavelength.

**D.** frequency ÷ wavelength.

 **7.** Which objects emit electromagnetic waves?

**A.** all objects

**B.** all hot objects

**C.** all moving objects

**D.** all shining objects

**24** Electromagnetic Waves