Waves, Light, and Sound

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. A sound gets quieter as you walk away from a speaker. What is happening to the waves that reach you?

   they have less energy and smaller amplitude

   their wavelength disappears

   they have more energy

2. How does sound from a bell reach your ears?

   it travels as light through the air

   it stays inside the bell

   it travels as vibrations through the air

3. Sam throws a pebble into a pond. Rings of waves spread out. What do the waves carry?

   energy all the pond water the pebble

4. A cork floats on water. Waves pass it. After the waves pass, where is the cork?

   at the bottom of the water

   in about the same place it started

   far across the water with the waves

5. The distance from one crest to the next crest is called what?

   the amplitude the wavelength the trough

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Answer Key - Grade 4 Science Worksheet - Building Confidence

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