Waves, Light, and Sound

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. How do you see a red apple on a table in a lit room?

   light bounces off the apple into your eyes

   your eyes send light out to the apple

   the apple makes its own light

   light goes from your eyes to the lamp

2. A tsunami wave is only about 1 meter tall at sea but very long. Near shore it grows very tall. What happens to its energy?

   it disappears in the deep ocean

   it turns into light near the shore

   it crowds into a taller wave near shore

   it moves into the sea floor forever

3. What is the lowest point of a wave called?

   the trough the crest the amplitude the peak

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

   energy the pebble sand from the bottom all the pond water

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

   they are turning into light

   they have more energy

   their wavelength disappears

   they have less energy and smaller amplitude

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Answer Key - Grade 4 Science Worksheet

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