Waves, Light, and Sound

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. A student holds a rope and moves her hand up and down faster. The crests get closer together. What changed?

   the amplitude got bigger the wavelength got longer the wavelength got shorter

2. Why can you see the Moon at night?

   sunlight reflects off the Moon to your eyes

   your eyes light up the Moon

   the Moon makes its own light

3. How tall a wave is, measured from its middle line, is called what?

   the amplitude the wavelength the crest

4. Which change makes a wave's crests farther apart?

   a longer wavelength a smaller amplitude a shorter wavelength

5. What does a mirror do to light?

   it soaks up all light it makes new light it bounces light back

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Answer Key - Grade 4 Science Worksheet - Building Confidence

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