Waves, Light, and Sound

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Why can't you see your book in a completely dark room?

   the dark pushes light away from your eyes

   the book disappears in the dark

   no light bounces off it into your eyes

   your eyes stop working at night

2. A guitar string is plucked gently, then hard. Which pluck makes the louder sound?

   both are equally loud neither makes a sound the gentle pluck

   the hard pluck

3. A model shows wave crests getting closer together while their height stays the same. What is changing?

   the wavelength is getting longer

   the amplitude is getting bigger

   the wavelength is getting shorter

   the amplitude is getting smaller

4. A student shines a flashlight at a mirror in a dark room. Where should she stand to see the light?

   anywhere, because light fills the room evenly

   behind the flashlight, facing away

   behind the mirror

   where the reflected light can reach her eyes

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

   the amplitude the wavelength the trough the crest

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Answer Key - Grade 4 Science Worksheet

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