Waves, Light, and Sound

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. A speaker plays music more softly. What happens to its sound waves?

   they stop moving they get smaller they get bigger

2. In a wave model, two waves have the same wavelength. Wave X is twice as tall. What is different?

   Wave X has the shorter wavelength

   Wave X has the longer wavelength

   Wave X has the greater amplitude

3. A drum is hit harder, so its sound waves get bigger. What do you hear?

   a sound that stops sooner a quieter sound a louder sound

4. Why does a cat's eye seem to shine in car headlights?

   the cat's eye shines only at night

   the cat's eye makes its own light

   the eye reflects the headlight back

5. You see a book on a shelf. Which path does the light take?

   lamp → book → eye eye → book → lamp book → lamp → eye

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Answer Key - Grade 4 Science Worksheet - Building Confidence

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