



# Sound & Light Energy

Sci  
E

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Sound is a type of energy that travels in waves that are caused by \_\_\_\_\_. Circle the answer.



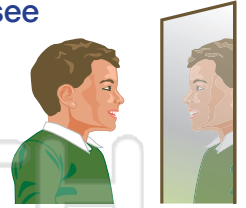
frequencies      vibrations      vibrations

2 Sound cannot travel through a vacuum and needs something in which to travel. Through which material can sound waves travel the fastest?



solids      liquids      gases

6 A \_\_\_\_\_ occurs when light rays bounce off a surface back to your eyes, like when you see an image in a mirror.

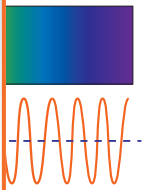


7 When looking through water, light rays can appear bent. This picture is an example of \_\_\_\_\_.



a. reflection

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## PREVIEW

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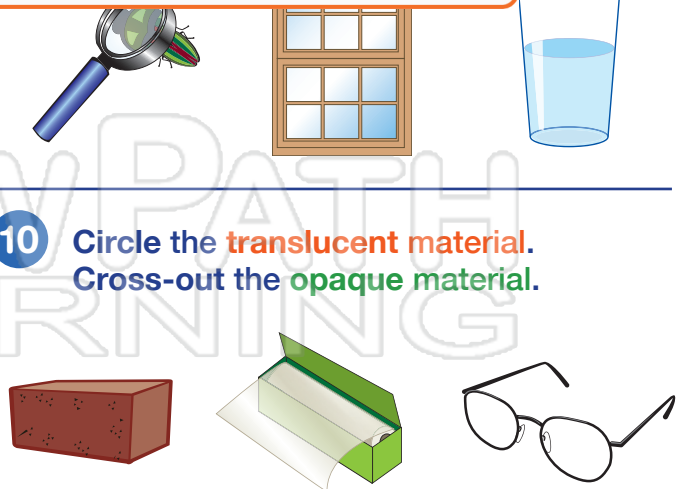
x lens.

frequency      pitch      decibel

5 Doctors recommend avoiding sounds that are louder than 110 decibels. Which sound is harmful to human ears?

| Decibels of Sound    |  |        |
|----------------------|--|--------|
| cat purring          |  | 25 dB  |
| normal conversation  |  | 50 dB  |
| car horn             |  | 100 dB |
| jet plane taking off |  | 140 dB |

10 Circle the translucent material. Cross-out the opaque material.





# Sound & Light Energy - Answer Key

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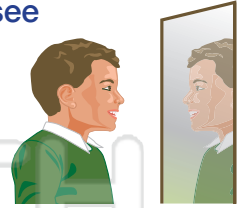
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a. reflection

3 This is what we learn in school.







4 This is what we learn in school.

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