

Sum It Up!

When you're done, use the answer key to check and revise your work.

Use the word bank to fill in the blanks.

dark light slow
fast noise ultrasound
information opaque volume

Advantages of Light to Communicate

1. Travels at a _____
speed

2. Can be used when
there is a lot of

3. Can be used in
_____ places

4. Can carry large
amounts of

Advantages of Sound to Communicate

5. Can travel through
_____ material

6. The _____ can
be increased to get
attention.

7. Can use _____
to find out about
inside a human body

8. Can be used when
there is a lot of

Name _____

Word Play

1

Draw lines to match each picture to a term and each term to its definition.

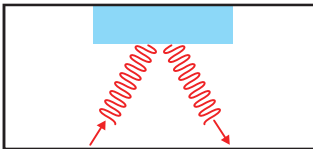


communication

sound from a reflection



sharing information,
thoughts, and ideas



uses thin transparent
fibers to send
light signals for
communication



sound frequencies
higher than what
human ears can detect

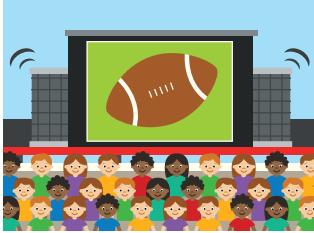


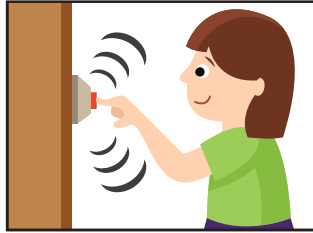
process of determining
the location of an object
by reflected sound

Apply Concepts

2

Label each picture with what is being used to communicate a message—sound, light, or sound and light.







3

What property of waves do ultrasound scanners and fiber optics both use?

4

What information does a school bell at the end of a school day give?



Think of other ways sound or light are used to communicate. Include animal communication you observe or know about. Make three columns and use the headings *Sound*, *Light*, and *Sound and Light*. Be sure to include what is being communicated in your list.