

Light and Signals Review

Use your resources to find the answers to these questions about light.



1) What is true about light?

- (A) Light is caused by sound.
- (B) Light is a form of energy.
- (C) Light cannot be reflected.
- (D) Light can help us hear better.

2) How does light move? (Circle ALL the true answers!)

- (A) Light moves in a circle.
- (B) Light moves in a straight line.
- (C) Light moves in waves.
- (D) Light moves outward in all directions at once.

3) What are lasers?

- (A) Lasers are imaginary swords.
- (B) Lasers are fire.
- (C) Lasers are strong forms of all colors of light blended together.
- (D) Lasers are a strong form of just one color of light energy.

4) What does “reflection” mean when we are talking about light?

- (A) thinking carefully about a problem
- (B) light being soaked up by an object
- (C) light bending as it goes through something clear at a slant
- (D) light bouncing off an object

5) What kinds of objects DO reflect light well? (Circle ALL the correct answers!)

- (A) flat objects
- (B) clear objects
- (C) smooth objects
- (D) rough objects

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Write the COLOR that you would see in each of these situations.

- 6) You will see the color _____
if an object reflects all the colors of light.
- 7) You will see the color _____
if an object absorbs all colors of light.
- 8) You will see the color _____
if an object reflects only green light.



Morse Code: Write True or False for each statement.

- 9) _____ Morse Code is used only by astronauts.
- 10) _____ Morse Code is written as dots and dashes.
- 11) _____ Morse Code can be sent as an electrical signal.
- 12) _____ Morse Code is used by most people today when they want to send a message to someone far away.
- 13) _____ Morse Code can be sent by flashing a light in a pattern.
- 14) _____ Morse Code was invented by a man in China.

Sending Signals: Using light, sound, and other forms of energy to communicate

15) Draw a diagram, and write the meaning of a signal that is used by MANY PEOPLE in a sport or activity that you are familiar with. Name the sport or activity your signal comes from.

This signal means _____

The sport or activity it is from is

_____.