

Light and Sight: Summative Assessment

Student Name: _____

INSTRUCTIONS

Please answer each question carefully.

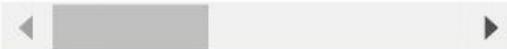
1. Light _____.

- A.** takes up space
- B.** is made up of matter
- C.** is a form of energy
- D.** has a magnetic force



2. Which type of energy does the sun provide Earth?

- A.** light
- B.** gravity
- C.** chemical
- D.** mechanical



3. Which of the following is a source of light?

A. the moon

B. our eyes

C. fire

D. a mirror



4. What property of light helps you see yourself in a mirror?

- A.** refraction
- B.** reflection
- C.** absorption
- D.** relativity



5. Which statement best explains why you can see yourself when you look at a mirror?

- A.** Light is refracted as it passes through the mirror.
- B.** Light is reflected, bouncing off the mirror.
- C.** Light is refracted, bouncing off the mirror.
- D.** Light is reflected as it passes through the mirror.



6. The arrows in each answer choice represent light rays. Which drawing shows how light is reflected by a mirror?



7. What type of surface scatters light unevenly?

- A.** shiny
- B.** rough
- C.** smooth
- D.** transparent



8. What word is used to describe light as it strikes a smooth, shiny surface and bounces off?

- A.** shadow
- B.** energy
- C.** reflection
- D.** wave length

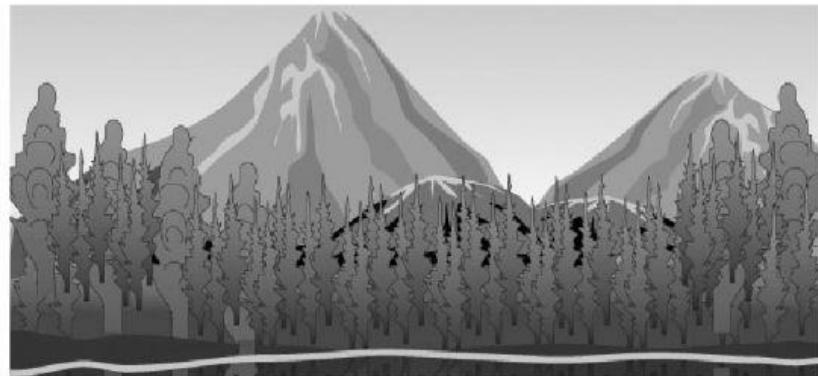


9. What happens to light when it hits a rough surface?

- A.** scattering
- B.** reflection
- C.** absorption
- D.** refraction

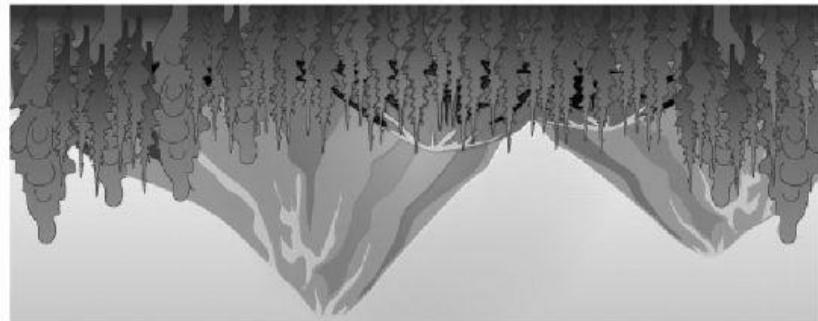


10. Rebecca visited a lake surrounded by mountains. She observed the image of the mountains on the surface of the lake's water.



<https://app.discoveryeducation.co.uk/learn/assessment/c9996d44-fca8-4d22-aa6f-c2bcead3103f/print-preview?lang=eng>

LIVEWORKSHEETS



Rebecca built a diorama to model what she saw. She used a postcard of a mountain scene to represent the mountains and a small mirror to represent the lake. Which is the best explanation of why her model represents what she saw?

- A.** The mirror refracts light onto the image of the mountain on the postcard
- B.** The mirror reflects light onto the image of the mountain on the postcard.
- C.** The image of the mountain on the postcard is refracted by the mirror.
- D.** The image of the mountain on the postcard is reflected by the mirror.



11. Which set of objects below would **all** reflect light well?

- A.** aluminum foil, brick wall, mirror
- B.** metal spoon, tree trunk, aluminum foil
- C.** mirror, metal spoon, brick wall
- D.** metal spoon, mirror, aluminum foil

