

Light and Sight: Summative Assessment

Student Name: _____

INSTRUCTIONS

Please answer each question carefully.

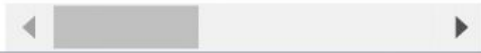
1. Light _____.

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



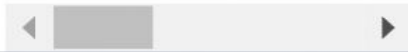
2. Which type of energy does the sun provide Earth?

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



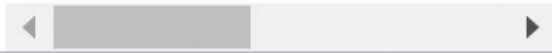
3. Which of the following is a source of light?

- ☐ **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.

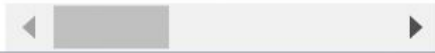


6. The arrows in each answer choice represent light rays. Which drawing shows how light is reflected by a mirror?



7. What type of surface scatters light unevenly?

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



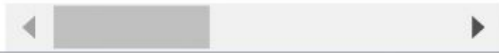
8. What word is used to describe light as it strikes a smooth, shiny surface and bounces off?

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

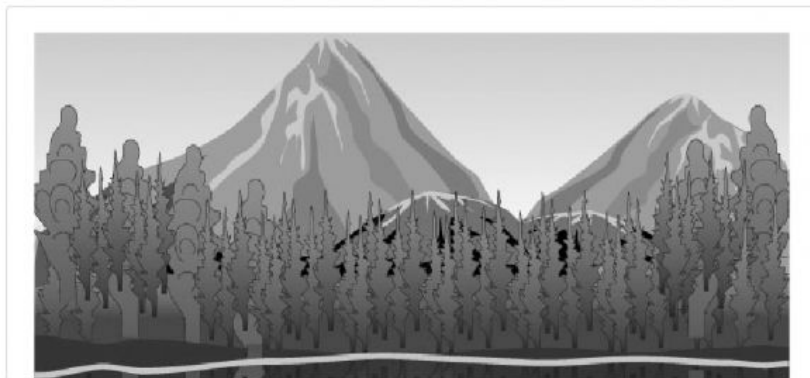


9. What happens to light when it hits a rough surface?

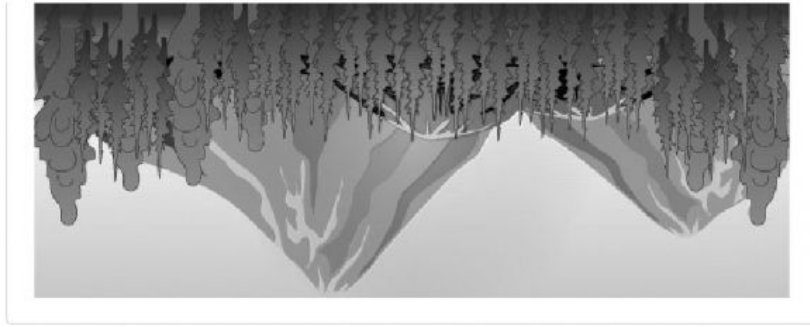
- ☐ A. scattering
- ☐ B. reflection
- ☐ C. absorption
- ☐ D. refraction



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

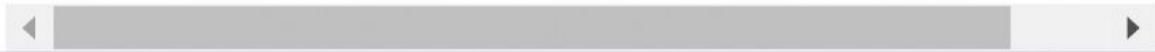


<https://app.discoveryeducation.co.uk/learn/assessment/c9996d44-fca8-4d22-aa6f-c2bcead3103f/print-preview?lang=eng>



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

