

Name: _____

Date: _____

1.

Reflection occurs when

- A. light bends.
 - B. light shines in your eyes.
 - C. light goes through a surface.
 - D. light strikes a surface and bounces off.
-

2.

Which object would BEST reflect light from a light bulb?

- A. a shiny spoon
 - B. notebook paper
 - C. a black sweater
 - D. a glass of water
-

3.

Which type of lens bulges out in the middle?

- A. concave
 - B. convex
 - C. flat
 - D. glass
-

4.

A magnifying glass is an example of what type of lens?

- A. convex
 - B. concave
 - C. square
 - D. thick
-

5. Which demonstrates that light travels in straight lines?

- A. the forming of shadows
 - B. the speed of light
 - C. the rainbow effect
 - D. the brightness of the Sun
-

6. The Sun, a lightbulb, and a candle all give off light. How does the light from these things feel?

- A. dry
 - B. wet
 - C. cool
 - D. warm
-

7.

Which object will reflect the most light?

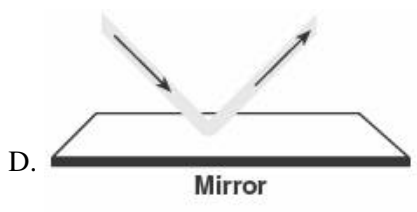
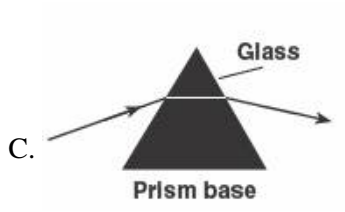
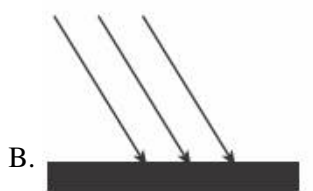
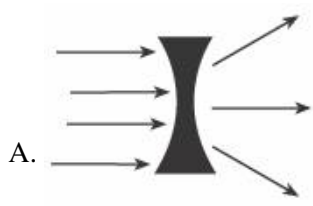
- A. shiny red paper
 - B. mirror
 - C. copper
 - D. glass
-

8. **By passing white light through a prism, you can tell —**

- A. that white light is actually a mixture of different colors.
- B. the mass of the prism.
- C. the original source of the light.
- D. that blue light is brighter than white light.

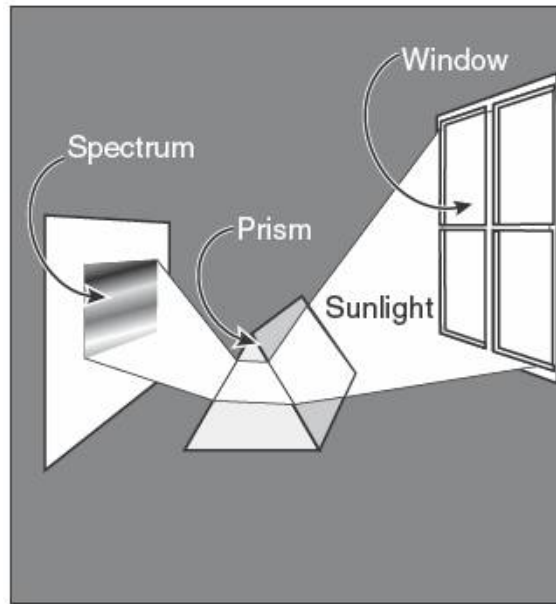
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9. Which diagram best shows the reflection of light?



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10.



The picture shows a study that Isaac Newton made with a prism to produce a spectrum. Newton's discovery led most directly to an understanding of the cause of —

- A. x-rays
- B. sunspots
- C. rainbows
- D. starlight

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Answer Key

1. D) light strikes a surface and bounces off.

2. A) a shiny spoon

3. B) convex

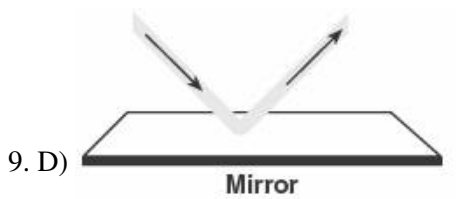
4. A) convex

5. A) the forming of shadows

6. D) warm

7. B) mirror

8. A) that white light is actually a mixture of different colors.



10. C) rainbows