

All About Light Quiz

Student Quiz

Directions: You have learned a lot of facts about light, and now it's time to test your knowledge. Circle **T (True)** or **F (False)** to respond to the following statements.

- 1 Light is a form of energy. **T** **F**
- 2 The spectrum consists of three colors. **T** **F**
- 3 Visible light is the only part of the spectrum that humans can see. **T** **F**
- 4 Light can reflect and bounce off objects. **T** **F**
- 5 When all of the colors in the spectrum travel together, they make white light. **T** **F**
- 6 George Washington invented the light bulb. **T** **F**
- 7 Light travels in a straight line. **T** **F**
- 8 A light bulb can still work with a broken filament. **T** **F**
- 9 Very smooth objects, like mirrors, reflect light so well that they redirect it in a single direction. **T** **F**
- 10 Light can affect your mood, so a bright light may make you feel full of energy, while a dim light may make you feel relaxed. **T** **F**



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Bringing the Games to Light

The 2006 Olympic Winter Games will be arriving sooner than you think. There are a lot of details that go into planning this big event, such as lighting.

Did you know...

- That if you ice skate outside during the winter, you'll feel happier? Scientists have proven that the light reflecting off the ice makes you feel happy.
- There are special stadium lights aimed at Olympic Athletes competing in Figure Skating and Ice Hockey so the crowd can see them but the athletes can't see the crowd? These lights help to shield the competitors from being distracted by the spectators.
- Olympic Games bobsledders fly so fast around curves that they look as though they're traveling at the speed of light, but they're probably going 80-90 miles per hour? The speed of light is 299,792,458 meters per second!

GE, a worldwide partner of the 2006 Olympic Winter Games, will help the Olympic Games happen by providing power, lighting, and security to stadiums and events. GE will also help design space for all the fans who are excited to come and watch the Olympic Winter Games!

Answer Key: 1. T, 2. F, 3. T, 4. T, 5. T, 6. F, 7. T, 8. F, 9. T, 10. T