

Name: _____ Date: _____

Your Glowing World: 1st Grade Light & Energy Quiz

Examine how light powers solar toys and why neon signs glow using simple subatomic concepts for young scientists.

1. What tiny particles make up the light we see from a flashlight?

- A. Photons
- B. Dust bunnies
- C. Water drops
- D. Sand grains

2. True or False: Tiny particles in a neon sign use energy to make bright colors.

- A. True
- B. False

3. A ____ panel uses light from the sun to make electricity for a house.

- A. Wooden
- B. Solar
- C. Paper
- D. Metal

4. Which of these things uses quantum science to help a doctor see inside your body?

- A. A magnifying glass
- B. An MRI machine
- C. A pair of sunglasses
- D. A flashlight

5. True or False: Lasers are special because all their light waves march together in one direction.

- A. True
- B. False

6. Everything in the world, including your toys, is made of tiny pieces called ____.

- A. Atoms
- B. Glue
- C. Clouds
- D. Bubbles

7. If you use a remote control to turn on a TV, what is traveling through the air?

- A. Invisible light
- B. Magic string
- C. Small birds

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D. Wind

8. True or False: Some materials can let electricity flow perfectly if they are very, very cold.

- A. True
- B. False

9. A ____ clock is used by satellites to tell the exact time for GPS maps.

- A. Sand
- B. Atomic
- C. Cookie
- D. Wind-up

10. What do we call the special area in space where gravity is so strong that even light cannot get out?

- A. A white cloud
- B. A black hole
- C. A sunny spot
- D. A moon beam