

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Wrangle Tiny Particles: Your 4th Grade Modern Physics Quiz

How do invisible rays power your remote control? Identify the amazing ways atoms and waves work in your daily life through basic recall and observation.

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**1. What is the name of the tiny, invisible packets of energy that make up a beam of light?**

- A. Photons
- B. Magnets
- C. Batteries
- D. Shadows

**2. True or False: Modern physics helps explain how small things like atoms work.**

- A. True
- B. False

**3. An \_\_\_ is the smallest building block of everything around you, from your desk to the air you breathe.**

- A. Apple
- B. Atom
- C. Airplane
- D. Astronaut

**4. Which famous scientist is known for thinking about how time and space work together?**

- A. Thomas Edison
- B. Albert Einstein
- C. The Wright Brothers
- D. Alexander Graham Bell

**5. True or False: Laser light is a special type of light made of many light waves moving together in one direction.**

- A. True
- B. False

**6. Radiation can be used by doctors in \_\_\_ machines to see the bones inside your body.**

- A. Toaster
- B. Bicycle
- C. X-ray
- D. Television

**7. What is the fastest thing in the entire universe?**

- A. A jet plane
- B. A race car

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- C. The speed of light
- D. A cheetah

**8. Solar panels turn the energy from \_\_\_ into electricity for our homes.**

- A. Rain
- B. Wind
- C. Sunlight
- D. Plants

**9. True or False: Everything in the universe is made up of energy and matter.**

- A. True
- B. False

**10. When you use a remote control to turn on a TV, what invisible 'messenger' travels to the TV?**

- A. Sound waves
- B. Infrared light
- C. Wind
- D. Electricity bubbles