

Name \_\_\_\_\_

## The Sun's Radiant Gift: How Solar Energy Reaches Earth

### Short Answer

1. Describe the process of nuclear fusion in the Sun's core and its role in generating solar energy.
2. Explain the difference between how dark-colored and light-colored surfaces interact with solar energy.
3. How does photosynthesis utilize solar energy, and why is it crucial for life on Earth?
4. What role does Earth's atmosphere play in filtering solar energy, and why is this filtration important?
5. How is solar energy considered a renewable resource, and why is this significant for our planet's future?

