

Name \_\_\_\_\_

## The Sun: Our Solar System's Glorious Star

### Short Answer

1. How does the Sun's radiant energy influence weather patterns on Earth?
2. Explain the process of photosynthesis and its connection to the Sun's energy.
3. What happens during a solar eclipse, and why is it a valuable opportunity for scientific study?
4. Describe the significance of nuclear fusion in the Sun and its role in element formation.
5. What transformations will the Sun undergo in the distant future, and how will these changes impact our solar system?

