

Name \_\_\_\_\_

## Measuring the Universe: The Distance to Stars and Galaxies

### Short Answer

1. How does the parallax method rely on the Earth's movement?
2. What is the key factor that determines the brightness of Cepheid variable stars?
3. Why are supernovae considered "standard candles" in astronomy?
4. How does the redshift of light from galaxies relate to Hubble's Law?
5. Why is the inverse square law important in determining the distance to celestial objects?

