

Name \_\_\_\_\_

## A Quest Beyond Earth

### Short Answer

1. Explain the transit method and how it helps astronomers detect exoplanets.
2. What is the radial velocity method, and how does it assist in finding exoplanets?
3. Why is the habitable zone important in the search for exoplanets with potential for life?
4. Describe what biosignatures are and why they are significant in the quest to find extraterrestrial life.
5. What upcoming space mission holds promise for advancing our understanding of exoplanets and their atmospheres?

