

Name \_\_\_\_\_

## Hunting for Alien Life: Are We Alone in the Universe?

### Short Answer

1. Name three essential conditions for life as we know it.
2. What celestial body in our solar system is considered a prime target in the search for life, and why?
3. Explain the concept of the "habitable zone" and its significance in the search for extraterrestrial life.
4. Describe one method scientists use to search for extraterrestrial intelligence (SETI).
5. What is the Fermi Paradox, and why is it considered a puzzling question?

