



Unit 6: Lesson 1 - Assessment [Teacher's Edition]

Do Extraterrestrial Beings Exist

Section 1: True or False - Indicate whether each of the following statements are TRUE or FALSE.

1. Astrobiology is solely concerned with the study of planets outside our solar system.
TRUE FALSE
2. The concept of 'Seven Earths' in Islamic theology can be interpreted in multiple ways.
TRUE FALSE

Section 2: Multiple Choice - Choose the correct answer for each of the following questions.

3. Which of these is an example of Empirical Evidence?
 - a. A philosophical argument
 - b. A religious text
 - c. Observational data from a telescope
 - d. An untested hypothesis
4. The concept of 'Seven Earths' in Islamic theology is an example of which type of evidence?
 - a. Rational
 - b. Empirical
 - c. Revelatory
 - d. Statistical
5. In Islamic theology, the concept of 'Seven Earths' primarily relies on which type of evidence?
 - a. Empirical
 - b. Rational
 - c. Anecdotal
 - d. Revelatory
6. The search for extraterrestrial life involves which of the following scientific disciplines?
 - a. Biology and Chemistry
 - b. Physics and Geology
 - c. Astronomy and Biology
 - d. All of the above
7. What type of knowledge would a scientist's belief in the existence of extraterrestrial life be categorized as, considering the current lack of conclusive evidence?
 - a. Conclusive Knowledge
 - b. Probabilistic Knowledge
 - c. Empirical Knowledge
 - d. Theoretical Knowledge



8. The integration of science and theology in the study of extraterrestrial life helps in:
 - a. Resolving all scientific mysteries
 - b. Deepening the understanding of the universe from multiple perspectives
 - c. Proving the existence of extraterrestrial beings
 - d. Rejecting any scientific claims that contradict theological beliefs

Section 3: Short Answer - Write a well-formulated response for each of the following.

9. Explain the difference between 'probabilistic' and 'certain' knowledge in the context of extraterrestrial life.

Probabilistic knowledge refers to conclusions based on likelihoods and chances, such as the probability of extraterrestrial life existing based on current evidence about the number of planets and stars. Certain knowledge is definitive and indisputable, often lacking in the field of extraterrestrial research due to the current limits of scientific discovery and evidence.

10. How might the motivations for exploring extraterrestrial life differ between scientists and theologians?

Scientists may be driven by a desire to understand the universe, driven by empirical evidence and curiosity. Theologians might explore extraterrestrial life to understand its implications on religious beliefs and texts, seeking answers about creation and the role of humanity in the universe.

11. Discuss how the lesson on extraterrestrial life can help us understand human uniqueness. Include both scientific and theological perspectives.

Answers will vary. They should include scientific aspects like the rarity and conditions required for life, and how we are unique in intelligence even among the creatures of this earth. Theological aspects would include the Prophet S being the best and most intelligent of all of creations.

12. Describe your personal motivations that might influence the way you as a researcher would approach the question of extraterrestrial life. Present your thoughts to the class.

Answers will vary.