

National Institute of Open Schooling
Senior Secondary Course – Environmental Science
Lesson 1: Origin of Earth and Evolution of the Environment
Worksheet – 1

1. Give reasons why Pluto is no longer considered as a ninth planet of solar system.
2. How does the Big Bang Theory explain the origin of the earth and solar system?
3. As we know that earth was originated about 4-5 billion years ago. What were the major differences you find in primitive earth and modern earth?
4. Cut out a small cardboard frame with a square opening of side 5cm. Now hold the frame at arm's length and count the stars that you see within the frame. Repeat this for different parts of the sky. Record the location and number of stars counted on each occasion. What did you observe? Write your observations.
(NOTE: - YOU COULD DO A SMALL ACTIVITY ON A CLEAR NIGHT)
5. "Water, atmosphere and temperature are considered as required conditions for sustaining life on earth". Justify this statement with suitable examples.
6. "Biological evolution starts from the simpler form to complex form of organisms". Explain this process in the light of geological time scale.
7. Do you think any planet can sustain life other than Earth? Give reasons in support and against of your answer.
8. What will happen, if green plants stop preparing their food? Explain.
9. Why the balance between the living organisms and components of their environment should not be disturbed? Explain it in your own words.
10. Bacteria are the earliest and simplest forms of living organisms on the earth. Explain their contribution for changing the primitive atmosphere.