

1-The Dying Sun

By

Sir James Jeans

Q#1: How is it that a star seldom finds another star near it?

Ans: The author, Sir James Jeans, says that almost all the stars travel alone in this immense universe. There is a distance of over million miles between the two stars. Because of this distance it is impossible for a star to come near another star. These stars remain in their orbits and do not leave them

Q#2: What happened when, according to Sir James Jeans, a wandering star, wandering through space, came near the sun?

Ans: According to Sir James Jeans when a wandering star came near the sun, it raised tides over its surface. It formed a huge mountain over the surface of the sun. The mountain became higher and higher as the star came nearer and nearer. The sun tore into pieces when this wandering star moved away.

Q#3: What happened when the wandering star came nearer and nearer?

Ans: According to Sir James Jeans when a wandering star came near the sun, it raised tides over its surface it formed a huge mountain over the surface of the sun. The mountain became higher and higher as the star came nearer and nearer. The sun tore into pieces when this wandering star moved away.

Q#4: What are planets and how did they come into existence?

Ans: Once all the planets were the part of the sun. They came into existence when a wandering star, wandering through space came near the sun. It raised tides over the surface of the sun. The sun broke into pieces with its tidal pull, when this star moved away. Since then all the planets have been moving in their orbits.

Q#5: Why is there no life on the stars?

Ans: In this scientific essay Sir James Jeans tells us that the stars are extremely hot. Life cannot exist on them. It requires suitable physical conditions such as moderate temperature, water and air. These physical conditions are not available on stars. Life exists only on the planet earth because it fulfills all the above mentioned conditions.

Q#6: Write a note on the beginning of life on the earth?

Ans: Sir James Jeans is of the view that life started in an accidental way. It started in the form of a simple organism and it became more and more complex. In other words we can say that life started in the form of a unicellular organism and grew more and more complex. Eventually humans were evolved who could express their feelings and emotions.

Q#7: Why is the universe, of which our earth is a part, so frightening? Give as many reasons as you can.

Ans: This universe is frightening because of the following reasons:

- It is very huge as compared to the earth.
- Its physical age is immense as compared to man.
- We are very small as compared to the universe.
- We are living in complete isolation.
- We cannot measure the depths of this universe.

Q#8: What, in your opinion, should be the conditions necessary, for the kind of life we know to exist on other heavenly bodies? Do such conditions generally exist?

Ans: Life needs certain physical conditions to exist, the foremost important condition is moderate temperature. The stars are too hot for life to exist on them. In addition to this, life requires air and water and these conditions only exist on the planet earth.