

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Stars and Solar System

Q1. How is the surface of the moon?

Ans. \_\_\_\_\_  
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Q2. What factors make life possible on Earth?

Ans. \_\_\_\_\_  
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Q3. What is meant by the phases of the Moon? Why phases of the moon occur?

Ans. \_\_\_\_\_  
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## Stars and Solar System

Q1. How is the surface of the moon?

Ans. The moon is a fascinating object for poets and story-tellers. But when astronauts landed on the moon, they found that the moon's surface is dusty and barren. There are many craters of different sizes. It also has a large number of steep and high mountains. Some of these are as high as the highest mountains on the Earth.

Q2. What factors make life possible on Earth?

Ans. The Earth is the only planet in the solar system on which life is known to exist. Some special environmental conditions are responsible for the existence and continuation of life on the Earth. These include just the right distance from the Sun, so that it has the right temperature range, the presence of water and suitable atmosphere and a blanket of ozone.

Q3. What is meant by the phases of the Moon? Why phases of the moon occur?

Ans. The various shapes of the bright part of the moon as seen during a month are called phases of the moon. The moon does not produce its own light, whereas the Sun and other stars do. We see the moon because the sunlight falling on it gets reflected towards us. We, therefore, see only that part of the moon, from which the light of the Sun is reflected towards us. This is how phases of the moon occur.