

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

Weather, Climate and Adaptations of Animals to Climate

Q1. All changes in the weather are caused by the sun. Explain

Ans. \_\_\_\_\_  
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Q2. How tropical rainforest supports wide variety of plants and animals?

Ans. \_\_\_\_\_  
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Q3. How do elephant living in the tropical rainforest adapt itself?

Ans. \_\_\_\_\_  
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## Weather, Climate and Adaptations of Animals to Climate

Q1. All changes in the weather are caused by the sun. Explain

Ans. All changes in the weather are caused by the sun. The sun is a huge sphere of hot gases at a very high temperature. The distance of the sun from us is very large. Even then the energy sent out by the sun is so huge that it is the source of all heat and light on the earth. So, the sun is the primary source of energy that causes changes in the weather. Energy absorbed and reflected by the earth's surface, oceans and the atmosphere play important roles in determining the weather at any place.

Q2. How tropical rainforest supports wide variety of plants and animals?

Ans. The tropical region has generally a hot climate because of its location around the equator. Even in the coldest month the temperature is generally higher than about 15°C. During hot summers, the temperature may cross 40°C. Days and nights are almost equal in length throughout the year. These regions get plenty of rainfall. Because of continuous warmth and rain, this region supports wide variety of plants and animals. The major types of animals living in the rainforests are monkeys, apes, gorillas, tigers, elephants, leopards, lizards, snakes, birds and insects.

Q3. How do elephant living in the tropical rainforest adapt itself?

Ans. It has adapted to the conditions of rainforests in many remarkable ways. Some of the adaptations are as follows:

- i. It uses its trunk as a nose because of which it has a strong sense of smell. The trunk is also used by it for picking up food.
- ii. Moreover, its tusks are modified teeth. These can tear the bark of trees that elephant loves to eat.
- iii. Large ears of the elephant help it to hear even very soft sounds. They also help the elephant to keep cool in the hot and humid climate of the rainforest.