

Here are 10 fill-in-the-blanks questions based on the context:

1. The biosphere is the narrow zone of contact between the _____, hydrosphere and atmosphere.
2. Vegetation and wildlife exist only in the _____ zone of contact between the lithosphere, hydrosphere, and atmosphere.
3. Plants provide us with timber, give shelter to animals, produce oxygen we breathe, protect soils so that land can be used again for future generations, and also _____ water.
4. Water harvesting is the process of collecting rainwater from roof tops and directing it to an appropriate location where it is stored for future _____.
5. The valuable water resource can be conserved by adopting means of irrigation such as sprinklers, which effectively irrigate the area by checking water losses through seepage and _____.
6. In dry regions with high rates of evaporation, drip or trickle irrigation is very useful in conserving the valuable water resource.
7. The articles in the exhibition were collected from different parts of the country to promote _____.
8. Silk worms are bred on Mulberry trees to obtain silk for making _____.
9. Jassy was excited to see a beautiful _____ scarf made from silk obtained from silk worms.
10. A bag made from Jute is an example of a handicraft product that can be made from natural _____.

Here are 10 questions on soil and water:

****Questions****

1. What is the thin layer of grainy substance covering the surface of the earth called?
2. How does landform determine the type of soil?
3. What process breaks up and decays exposed rocks, causing them to be weathered?
4. What happens when the right mix of minerals and organic matter are present in soil?
5. What is a method used to conserve land resources that involves planting more trees?
6. What is the average amount of water saved from one spell of rain lasting two hours?

7. What is the process called when collecting rainwater from rooftops and directing it to an appropriate location for future use?
8. How do plants provide oxygen, shelter for animals, and protect soils?
9. What are some methods used to conserve land resources that involve regulating the use of chemicals?
10. In what zone do natural vegetation and wildlife exist?

****Additional Questions****

1. What is obtained from silk worms that are bred on Mulberry trees?
2. How do sprinklers effectively irrigate an area?
3. What type of irrigation is very useful in dry regions with high rates of evaporation?

****Answers****

1. Soil
2. By determining the type of soil
3. Weathering
4. It makes the soil fertile
5. Afforestation
6. 8,000 litres
7. Rainwater harvesting
8. Plants provide oxygen through photosynthesis, shelter for animals by providing leaves and branches, and protect soils by preventing erosion
9. Regulated use of chemical pesticides and fertilizers, as well as checks on overgrazing
10. The biosphere (the narrow zone of contact between the lithosphere, hydrosphere, and atmosphere)