

**NOTE- Do the worksheet in a separate note book.**

**Multiple choice questions**

1. What does biodiversity refers to?  
(a) The variety of plants and animals      (b) Number of people in a city      (c) The size of a tree  
(d) The colour of flowers
2. What type of roots do monocots typically have?  
(a) Taproot      (b) Fibrous      (c) Reticulate      (d) Both A and B
3. Which adaptation helps camels survive in the desert?  
(a) Long legs and wide hooves      (b) Thick fur      (c) Ability to fly      (d) Short legs
4. Which of the following is magnetic material?  
(a) wood      (b) rubber      (c) cobalt      (d) plastic
5. Which of the following is less dense than water?  
(a) Dried leaves      (b) coin      (c) stone      (d) metal box

**Fill in the blanks.**

1. All plants with \_\_\_\_\_ venation have dicotyledonous seeds.
2. \_\_\_\_\_ has spines to reduce water loss.
3. \_\_\_\_\_ have hard , woody stems.
4. \_\_\_\_\_ are animals that can live both on land and in water.
5. \_\_\_\_\_ are plants with weak stems that need support to grow.
6. A magnet has \_\_\_\_\_ poles.
7. Magnets are preserved in \_\_\_\_\_ to keep them safe
8. \_\_\_\_\_ is a magnetic material.

**Answer the following questions.**

1. What does diversity in plants and animals mean?
2. Write the differences between trees and shrubs.
3. What type of stem do herbs typically have?
4. Give two examples each of plants having tap root and fibrous roots.
5. What type of root system does grasses have?
6. Give two examples each of plants having reticulate and parallel venation.
7. Write the differences between tap roots and fibrous root.
8. What are climbers and creepers? Give two examples each.
9. What is adaptation? Give example.
10. What is a habitat? Give example.
11. What types of animals can live on land and in water? Give example.
12. Write the differences between reticulate and parallel venation.
13. Write the differences between terrestrial habitat and aquatic habitat.
14. How are camels living in hot desert differ from the camels living in cold desert?
15. Name few animals and plants of mountain region.
16. Name a natural magnet. Where it was found for the first time?
17. Write the differences between natural magnet and artificial magnet.
18. Name three artificial magnet and draw them.
19. Identify the following plants as herbs, shrubs and trees..... Tomato, rice, eucalyptus, china rose, mango, mint, rose, mustard plant
20. What are three states of matter? Name the process of conversion of liquid to gas and conversion of liquid to solid.

**Multiple choice questions**

- Which of the following is a magnetic material?  
(a) Wood (b) Nickel (c) Glass (d) Plastic
- What happens when two North poles of magnets are brought together?  
(a) They attract each other (b) They repel each other (c) They stick together (d) Nothing happens
- In which device is a magnetized needle used to find directions?  
(a) Barometer (b) Thermometer (c) Compass (d) Altimeter
- What are the two poles of magnet called?  
(a) North and South (b) East and West (c) Up and Down (d) Left and right
- North Pole of a magnet is usually painted in which colour?  
(a) Red (b) Yellow (c) Blue (d) Green

**Fill in the blanks.**

- All plants with \_\_\_\_\_ venation have monocotyledonous seeds.
- \_\_\_\_\_ has spines to reduce water loss.
- \_\_\_\_\_ have tender and soft stems.
- A freely suspended magnet aligns itself in the \_\_\_\_\_ direction.
- The magnetic power of a magnet is most at the \_\_\_\_\_.
- \_\_\_\_\_ is the name of a natural magnet.
- The process by which a magnet loss its magnetic power is called \_\_\_\_\_.
- \_\_\_\_\_ poles of two magnets attract each other.

**Answer the following questions.**

- Write the properties of magnet.
- Write an activity to show that a freely suspended magnet always aligns into North- South direction.
- What type of stem do shrubs typically have?
- Give two examples each of plants having monocot seed and dicot seeds.
- What type of root system does sugarcane have?
- Which leaf venation is present in the leaves of plants that have parallel venation?
- Write the differences between climbers and creepers.
- Explain the relationship between type of root, type of venation and type of seed. Give example.
- What are scarred grooves?
- Write the features of camel to survive in deserts.
- What are the features of animals and plants that are found in mountain regions?
- Write the differences between mountain goat and goat of plains.
- Explain why speed is important for animals living in grassland for their survival.
- Write the features of cactus plant to grow in deserts.
- What is demagnetization? How does a magnet loss its magnetic property?
- Explain how to magnetize an iron needle using single touch method.

**• EVERY STUDENT WILL MAKE A SCIENCE WORKING MODEL****• SCIENCE PROJECT ROLL NO. WISE**

**Roll no. 1 to15 EVERYDAY NUTRIENTS:** Make a diet chart for 10 days in which you will write about the food items that you ate for breakfast, lunch and dinner, tell which all nutrients are present in these food amount and the calories they contain. Stick or draw the pictures.

**Roll no. 15 to 32 NATURAL FIBRES:** Write about different natural and synthetic fibres and their uses, their sources, states they are found in and mention the climatic conditions and soil needed to grow cotton and Jute. Paste different fabric materials from old dresses and label them.