

St. Mary's School, Dwarka
Holiday Homework
Class XII
Subject: Biology
Week 4
Worksheet 4

Objective:

- Revision of concepts
- Application of the concepts to real life situations.
- Skills to carry out research work and develop scientific aptitude

Instructions:

- ❖ Neatly write all the answers in your science notebook.
- ❖ Attempt the questions keeping in mind the weightage of each question.
- ❖ Assignment 'Summer Holiday Homework' will be created on TEAMS. PDF of handwritten work should be uploaded on it.

Answer the following questions:

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| Q1. Define reproduction | 1 |
| Q2. Why is there a large diversity in the living world? | 1 |
| Q3. Define encystation and sporulation. Give an example each. | 2 |
| Q4. Show binary fission in amoeba with the help of series of labelled diagrams. | 2 |
| Q5. How does reproduction take place in Hydra? Explain with the help of labelled diagrams. | 2 |
| Q6. Name six fruits which you have consumed during the holidays (Remember chilli is a fruit too).
Mention the edible parts. | 2 |
| Q7. Identify the following parts of a flowering plant and write whether it is haploid(n) or diploid(2n) | 3 |
| Q8. Higher animals have resorted to sexual reproduction inspite of its complexity. Explain. | 3 |
| Q9. How does cell division take place in gamete formation? | 4 |
| Q10. With the help of examples show the diversity in sexual reproduction. Draw diagrams to
support you answer. | 5 |