

L-8 HOW DO ORGANISMS REPRODUCE?

MODULE 1

WORKSHEET 1

CLASS X

SCIENCE (BIOLOGY)

1. Reproduction is essential for living organisms in order to:
 - a) keep the individual organism alive
 - b) fulfil their energy requirement
 - c) maintain growth
 - d) continue the species generation after generation
2. Characters transmitted from parents to offsprings are present in:
 - a) cytoplasm
 - b) ribosome
 - c) golgi bodies
 - d) genes
3. Characters that are transmitted from parents to offsprings during reproduction show:
 - a) only similarity with parents
 - b) only variations with parents
 - c) both similarity and variations with the parents
 - d) neither similarity nor variations
4. What is the most basic event in reproduction?
5. What is the importance of DNA copying in reproduction?
6. Why are variations beneficial to the species but not necessarily for the individual?
7. What is the importance of reproduction?
8. Name the following:
 - a) The blue print for body design of an organism.
 - b) A biomolecule which decides the structure of an organism.
9. What is the importance of variation?
10. Fill in the blanks:
 - i) If proteins made by DNA are different then the body design of organisms would be _____
 - ii) The process of DNA copying will create variations because the _____ used to copy DNA are not absolutely reliable.
 - iii) More variations are possible in _____ reproduction.
 - iv) No formation and fusion of gametes takes place in _____ reproduction.
11. Differentiate between sexual and asexual reproduction.

