

PSBB LEARNING LEADERSHIP ACADEMY

CLASS WORK ASSIGNMENT

Reproduction in animals

I. Answer the following:-

1. What do you mean by reproduction? Why do you think it's necessary for life process?

Ans: Reproduction is the process by which living organisms make their own kind. Reproduction is necessary for the survival and increase in the population of a species. If organisms do not reproduce, their population decreases and species will become extinct.

2. Differentiate between asexual and sexual reproduction.

ASEXUAL	SEXUAL
Reproduction in which new individuals are produced from a single parent.	Reproduction in which two individuals are involved to produce a new individual.
Eg. Binary fission, Budding	Eg. Sexual reproduction by plant and animals.

3. Name the different modes of asexual reproduction with examples

Ans: The different modes of reproduction are:-

1. Fission (binary): Amoeba
2. Budding: Yeast
3. Regeneration: Planaria
4. Fragmentation: Spirogyra
5. Vegetative propagation: plants
6. Spore formation: Rhizopus

4. Write a short note on

- a) Fragmentation
- b) Regeneration

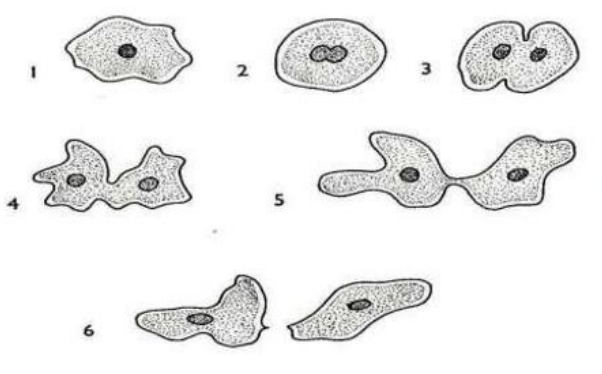
Ans: a) Fragmentation: In this method the body of a simple multicellular organisms breaks up into smaller pieces on maturation and each fragment develops into new individuals

Eg: Spirogyra

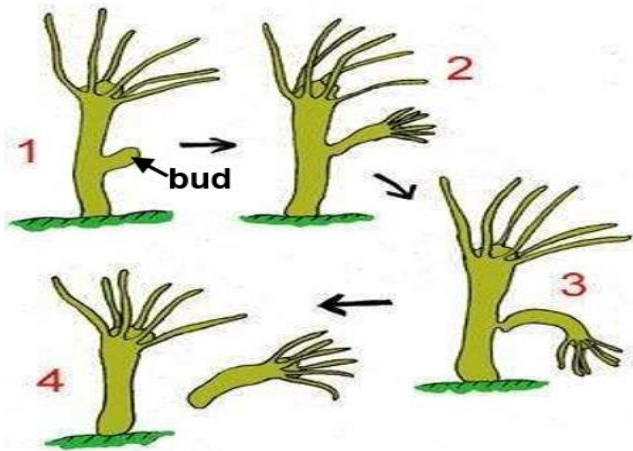
b) Regeneration: In this method a part of the body if the organism if cut or broken can develop into a new individual.

Eg :- Hydra, Planaria, Star fish etc.

5. Draw a neat diagram of asexual reproduction in amoeba and hydra.



Binary Fission in amoeba



Budding in hydra

