

7.8.21

HOME ASSIGNMENTS

Q1 Name the information source of making proteins in the cell. State two basic events in reproduction.

The DNA in the cell nucleus is the information source for making proteins.

- Two basic events of reproduction are -
→ Creation of DNA
→ Additional cellular apparatus by the cell involved in the process.

Q. Explain vegetative propagation with the help of two examples. List the advantages of vegetative propagation.

- It is a type of asexual reproduction in which the vegetative part of plant like leaves, stem, roots, give rise to a new plant.

Example - The green grass grows in the fields after rains from the dry, old stems of grass present in the fields, by the method of vegetative propagation.

- Money plant can be grown from by vegetative reproduction by its stem.

Advantages of vegetative reproduction are-

- Plants grow faster by the process of vegetative propagation.
- Produces identical quality as the parent.
- Desired character of fruit can be maintained.

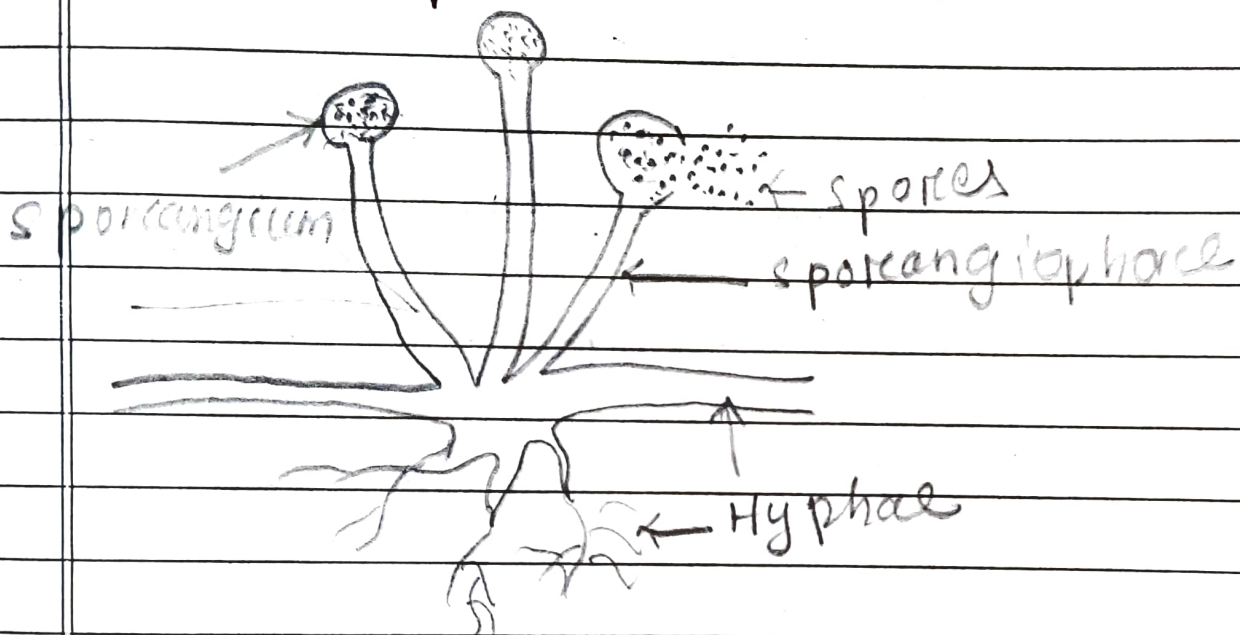
3. a) What is spore formation?

- In spore formation, the parent plant produces hundreds of microscopic reproductive units called spores.

- One organism such as fungi make spores.

that can grow into complete new individuals when dispersed from their parent body.

b) Draw a diagram showing spore formation in Rhizopus.



Spore formation in Rhizopus

c) List two advantages for organisms to reproduce themselves through spores.

- Gametes are not required during spore formation.
- Spores are distributed easily by air to far off places to avoid competition at one place.