

① The DNA in the nucleus of a cell is the information source for making proteins.

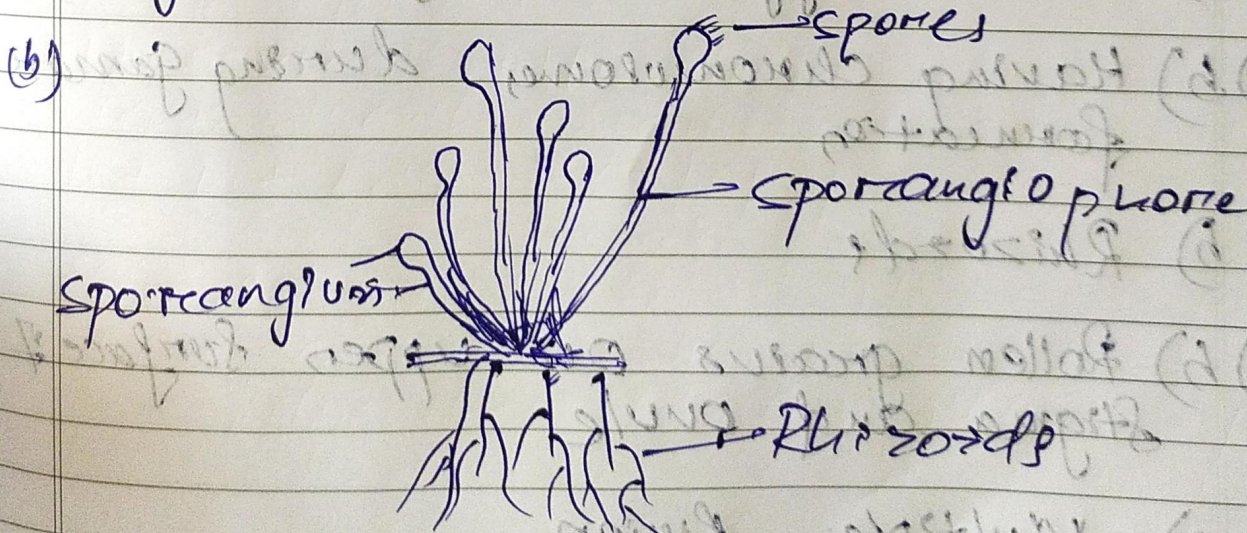
② Vegetative propagation is the method of asexual reproduction in which new plants are produced from the vegetative parts of the plant like stem, roots and leaves.

Ex - Bryophyllum plant reproduces from the leaves and money plant grows from the stem.

Advantages:-

- Plant grow faster ^{by} the process of vegetative propagation
- All plants produced are genetically similar to the parent plant.

(a) Spore formation mainly occurs in non-flowering plants like a fungi which is a type of asexual reproduction. A thousand of spores are produced by the plants which further grow into new plants. The organism does not need male and female reproductive organs.



(c) 2 advantages for organisms to reproduce themselves through spores are as follows:-

- It is a faster mode of reproduction.
- Offspring produced are identical.