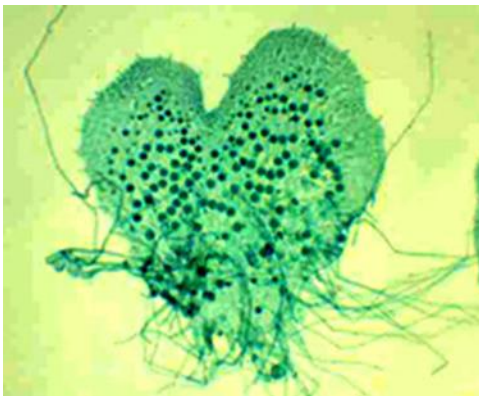


1. The diagram above of a Fern Life cycle indicates where meiosis takes place. Where does mitosis become involved in this life cycle

As the spores germinate and/or as the gametophyte produces eggs and sperm

- 2.



True or false?

The above structure is diploid (2n).

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3. In mosses, eggs and sperm are produced by the process of:

- a. Meiosis
 - b. Mitosis
4. Free living gametophytes are characteristic of:
- a. Flowering plants (angiosperms)
 - b. Pine trees (examples of a gymnosperm)
 - c. Ferns
 - d. Mosses
5. Angiosperms have more varied disseminules than gymnosperms because:
- a. In angiosperms, the seeds are surrounded by tissues that can be modified into various kinds of fruits
 - b. They always have bigger seeds than gymnosperms
 - c. They have taller trees than gymnosperms
 - d. Angiosperms never have wind dispersed seeds
6. A stigma is part of the ___carpel or pistil___ that surrounds the ___ovules or seeds___ of flowering plants.
7. In plants that have free living gametophytes fertilization of ovules requires the sperm to travel through ___water_or a water film___.
8. The gametophyte remains attached to the sporophyte in:
- a. Angiosperms
 - b. Ferns
 - c. Mosses
 - d. Gymnosperms
9. When fern spores germinate they form the:
- a. gametophyte
 - b. sporophyte
10. Which has a 2N number of Chromosomes?
- a. Fern Gametophyte
 - b. Pine Tree
 - c. Moss plant