**Fern Package**

1. What is vascular tissue?
2. How are ferns adapted to land?
3. What are the characteristics of club mosses, horsetails, and ferns?
4. What is the dominant phase in a fern’s life cycle?
5. What substance is needed by ferns to reproduce sexually?
6. What adaptations do ferns show that enable them to survive in a drier environment than mosses.
7. What stage of a fern’s life cycle requires more water to survive? Why?
8. What are two ways in which ferns are used by people?

Label the diagram of a fern’s life cycle below using the word bank.

Draw a line dividing the diploid and haploid stages (a+b)

Frond

Sorus

Mature Gametophyte

Sporophyte

Archegonium

Antheridium

Spores

Sporangium

Egg

Sperm

Rhizoids

Prothalium

Germinating spore

Zygote

New sporophyte

Spore dispersal



