

Bio 11: Plant form & function

Please write paragraph answers to these two questions.
Most of the information you need should be in your notes.

1. When they attempted to move onto land, plants had to adapt to a world where they weren't constantly surrounded by water. Discuss the evolutionary path of plants with respect to **GETTING AND KEEPING WATER**. Be sure to explain:

- d. HOW early plants (algae, mosses) got & retained water
- e. WHY the early plants would have struggled on land
- f. WHAT the higher order plants developed to help them survive

2. When they attempted to move onto land, plants had to adapt to a world where they weren't constantly surrounded by water. Discuss the evolutionary path of plants with respect to **SEXUAL REPRODUCTION**. Be sure to explain:

- d. HOW early plants (algae, mosses) reproduced sexually
- e. WHY the early plants would have struggled in dry environments
- f. WHAT the higher order plants developed to help them survive

Use this guide to see if your answers are complete:

- Level 2:** *I have identified the structures and methods used by each type of plant*
- Level 3:** *I have explained why/how the structures were/were not well suited to the environmental conditions.*
- Level 3+:** *I have researched and explained how plants survive in extremely dry environments, like the desert.*