



High School Science Virtual Learning

College Biology

Chapter 16 Recap Part 2

May 15, 2020



High School College Biology

Lesson: May 15, 2020

Objective/Learning Target:

Students will be able to discuss the evolution and major characteristics of plants and fungi.



Let's Get Started:

1. Give an example of a bryophyte?
2. What separates gymnosperms from ferns and bryophytes?



Answers:

1. Mosses
2. Gymnosperms produce seeds while ferns and bryophytes do not.

Lesson Activity:

1. Read over pages 16-29 of the Chapter 16 Notes. ([Linked Here](#))- Start at Angiosperms
1. Watch this Crash Course video on [Reproduction of Vascular Plants](#) and this Crash Course on [Fungi](#).

Practice:

1. Why are petals on flowers colorful?
2. What are some of the benefits, that we as humans, receive from gymnosperms and angiosperms respectively?
3. Many people associate fungi with plants. In what ways do the two groups differ?



Practice Answers:

1. Petals are colorful to help attract pollinators.
2. Gymnosperms provide most of our lumber and paper. Angiosperms provide our food supply, medicine, perfumes and decoration.
3. Fungi are heterotrophs and receive nutrients through absorption, not photosynthesis. Plants need light to grow and most fungi thrive in dark environments.

More Practice:

1. Angiosperms are distinguished from all other plants because only angiosperms have reproductive structures called _____.
2. Under a microscope, a piece of a mushroom would look like
 - a. jelly.
 - b. a tangle of string
 - c. grains of sand.
 - d. a sponge
3. You discover a new species of plant. Under the microscope, you find that it produces flagellated sperm. A genetic analysis shows that its dominant generation has diploid cells. What kind of plant do you have?



More Practice:

4. What is a fruit?

5. Mycorrhizae are symbiotic associations between _____ and _____.



More Practice Answers:

1. Flowers
2. B
3. A fern
4. A ripened ovary of a flower that protects and aids in the dispersal of seeds contained in the fruit
5. Plant roots; fungi



Review Tools:

-[Kahoot 2](#)

-[Kahoot 3](#)

-Bozeman Science Video [Plants](#)

-Bozeman Science Video [Fungi](#)