

Biology 260 Quiz
(20 points)

Name:

Class Time:

Take this quiz at the beginning of class.

1. The main features of a plant are
 - A. Cell walls, autotrophic, carnivorous, alternation of generations
 - B. Alternation of generations
 - C. Alternation of generations, cell walls, autotrophic, eukaryotic, multicellular**
 - D. Alternation of generations, cell wall, autotrophic, multicellular

2. The first land plants appeared in the fossil record approximately mya.
 - A. 1 million
 - B. 1 billion
 - C. 410 million
 - D. 470 million**

3. Plant cell walls are composed mainly of
 - A. Cellulose, starch and proteins
 - B. Cellulose, hemicellulose and pectins**
 - C. Starch, sucrose, fructose and proteins
 - D. DNA

4. The ancestral group of organisms that gave rise to all land plants is thought to be the.....
 - A. algae
 - B. charophytes**
 - C. mosses
 - D. hornworts

5. A gametophyte is always.....
 - A. photosynthetic
 - B. haploid**
 - C. diploid
 - D. the dominant generation in all land plants

6. The sporophyte produces spores by mitosis
 - A. True
 - B. False**

7. Which of the following is not true about the bryophytes?
- A. They have a dominant gametophyte generation
 - B. They have xylem and phloem**
 - C. They have a sporophyte that is unable to photosynthesize.
 - D. They include the hornworts, liverworts and mosses
8. The male gametangium of a moss is also known as a
- A. calyptra
 - B. antheridium**
 - C. archegonium
 - D. zygote
9. The female gametangium of a moss is also known as a
- A. calyptra
 - B. antheridium
 - C. archegonium**
 - D. zygote
10. What is the multicellular structure called that is produced directly after fertilization?
- A. zygote
 - B. sporophyte
 - C. embryo**
 - D. archegonium