

1. A doctor analyzes your blood and finds an elevated level of white blood cells. What could be a possible reason for this elevated level?
 - A. low oxygen levels
 - B. thin blood
 - C. infection
 - D. hemophilia
2. These plants do not have seeds or true roots, but they have vascular tissue.
 - A. mosses
 - B. liverworts
 - C. ferns
 - D. hornworts
3. These mammals are known for having their offspring by way of modified eggs.
 - A. marsupials
 - B. monotremes
 - C. aves
 - D. placentals
4. The relationship between organisms where one benefits and the other is neither harmed or benefits is known as _____.
 - A. commensalism
 - B. mutualism
 - C. parasitism
 - D. symbiosis
5. The powerhouse of a eukaryotic cell as it is described is analogous to the _____ of all eukaryotes.
 - A. cell wall
 - B. rough ER
 - C. Golgi complex
 - D. mitochondria
6. _____ is the process where DNA is copied to an mRNA format.
 - A. replication
 - B. translation
 - C. transcription
 - D. none of these

7. A _____ would be best to accurately measure a liquid volume.
- A. 250 mL beaker
 - B. graduated cylinder
 - C. 250 mL Erlenmeyer flask
 - D. none of these
8. A waste product of photosynthesis carried on in a plant is _____ .
- A. energy
 - B. sugar
 - C. carbon dioxide
 - D. oxygen
9. The _____ factors of an ecosystem are things such as soil, weather, water, and minerals.
- A. abiotic
 - B. living
 - C. essential
 - D. biotic
10. Which of the following is NOT one of the primary functions of a cell wall?
- A. support
 - B. protection
 - C. regulation of movement of materials into and out of cells
 - D. shape
11. The genotype for a plant that is heterozygous for both height and color would be _____ .
- A. Tt yy
 - B. tt yy
 - C. Tt Yy
 - D. Ty Ty
12. Striated muscle tissue can be found _____ .
- A. in the human heart
 - B. lining the intestine
 - C. on the outside of the stomach
 - D. none of these

13. The anther and filament would be found on a _____.
A. male antelope
B. male flower
C. female amphibian
D. monotreme
14. Having jointed appendages, an exoskeleton, and antennae as adults describes _____.
A. mollusks
B. echinoderms
C. arthropods
D. arachnids
15. Proteins are manufactured at/on the _____ of both plant and animal cells.
A. ribosomes
B. Golgi complex
C. mitochondria
D. nucleus
16. This biome is represented by mixed brush and grasslands having a period during the year where it is hot and dry.
A. savanna
B. chaparral
C. desert
D. taiga
17. A _____ in biology allows for scientists to make predictions as to the possible genotypes for organisms that reproduce sexually.
A. phenotype
B. genotype
C. gene map
D. Punnett square
18. What instrument could be used in the lab to mix and heat 100 mL of a solution?
A. Pyrex test tube
B. 250 mL beaker
C. graduated cylinder
D. none of these