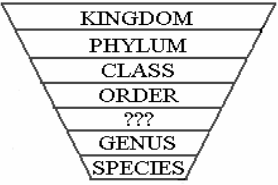
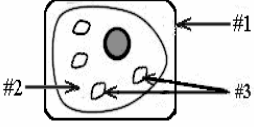


<p>1. Fill in the blank.</p> <p>Segments of DNA are called _____.</p> <p>A. mutations B. RNA C. traits D. genes</p>	<p>2. Fill in the blank.</p> <p>Being able to read is _____.</p> <p>A. an inherited trait B. something all animals can learn C. a learned trait D. something you can only do at</p>
<p>3. Which chromosome combination in humans will produce a female?</p> <p>A. YY B. XY C. YX D. XX</p>	<p>4. Which of the following is true about asexual reproduction?</p> <p>A. Reproduced cells are identical to the original (parent) cell. B. It requires a sperm cell. C. There is a great deal of variation in offspring. D. It can only happen in plants.</p>
<p>5. Which of the following shows a genotype that is dominant?</p> <p>A. Aa B. A C. AA D. a</p>	<p>6. Offspring produced by sexual reproduction</p> <p>A. are exactly like one of the parents B. show no variation in characteristics C. form from one sex cell of one organism D. show variation in characteristics</p>
<p>7. To what kingdom do humans belong?</p> <p>A. Primate B. Monera C. Animal D. Protista</p>	<p>8. Fill in the missing classification:</p>  <p>A. Organism B. Family C. Protista D. Taxa</p>
<p>9. Use the following information to determine the genetic makeup of a tall plant that is pure dominant. T = tall t = short</p> <p>A. tt B. Tt C. TT</p>	<p>10. In which kingdom would you find unicellular organisms that do <u>NOT</u> have nuclei?</p> <p>A. Monera B. Plant C. Protista D. Fungi</p>

<p>11. If an organism is multicellular and makes its own food, it must be a member of the _____ kingdom.</p> <p>A. Plant B. Protista C. Monera D. Animal</p>	<p>12. In human genetics, 23 is _____.</p> <p>A. the number of genes in human cells B. the number of pairs of chromosomes in human cells C. the chromosome number that causes a child to be born with Down's syndrome D. the number of genes that are on a</p>
<p>13. Use the following information to determine the genetic makeup of a tall plant that is heterozygous. T = tall t = short A. tt B. Tt C. TT</p>	<p>14. Meiosis is the process that produces</p> <p>A. gametes B. identical cells C. clones D. DNA only</p>
<p>15. Which of the following is determined solely by heredity?</p> <p>A. eye color B. artistic ability C. weight D. intelligence</p>	<p>16. DNA stand for _____.</p> <p>A. detronuclear acetone B. denatured alcohol C. deoxyribonucleic acid D. dinitrogen aldehyde</p>
<p>17. Which of the following is best associated with asexual reproduction?</p> <p>A. spore B. sperm C. egg D. seed</p>	<p>19. Plant and animal cells have some similarities as well as differences. What is one thing that plant and animal cells have in common?</p> <p>A. cell wall B. chlorophyll C. nucleus D. chloroplasts</p>
<p>18. Name the part labeled #1.</p>  <p>A. chloroplast B. cytoplasm C. cell wall D. nucleus</p>	<p>20. The cell membrane is referred to as _____ because it allows some materials to pass through, but not all.</p> <p>A. porous B. selectively permeable C. hypotonic D. actively diffusive</p>

<p>21. What is the only organelle found inside of the nuclear membrane?</p> <p>A. cytoplasm B. mitochondrion C. nucleolus D. lysosome</p>		<p>22. What is the function of ribosomes?</p> <p>A. to transport material in and out of the nucleus B. to digest materials inside the cytoplasm C. to protect the endoplasmic reticulum D. to make proteins</p>
<p>23. Which one of these statements is true about <u>all</u> cells?</p> <p>A. They are all exactly alike. B. They are the basic unit of life. C. They do not need energy. D. They cannot move on their own.</p>		<p>24. What is the main reason for cellular respiration?</p> <p>A. to break down carbon dioxide B. to produce glucose C. to breakdown glucose D. to produce oxygen</p>
<p>25. What is mitosis?</p> <p>A. the process in which two cells fuse to form a zygote B. the sexual process in which gametes are produced C. the asexual process in which cells grow and are repaired D. the spore germination process</p>		<p>26. In mitosis, what occurs before prophase begins?</p> <p>A. The chromosomes move to the outside edges of the cell membrane. B. Spindle fibers appear. C. Two cells fuse together. D. DNA replicates.</p>
<p>27. A green plant can make its own food. What does a green plant need in order to make food?</p> <p>A. wind B. oxygen C. light D. strong roots</p>		<p>28. Which of the following is <u>NOT</u> a product of the light reactions of photosynthesis?</p> <p>A. glucose B. NADPH C. oxygen D. ATP</p>
<p>29. A(n) _____ solution occurs when the concentration of the materials in the solution outside the cell is equal to the concentration of the materials in the solution inside the cell.</p> <p>A. hypotonic B. hypertonic C. isotonic D. osmotic</p>		

Answers to Coley

1. A
2. C
3. D
4. A
5. C
6. D
7. C
8. B
9. C
10. A
11. A
12. B
13. B
14. A
15. A
16. C
17. A
18. C
19. B
20. B
21. C
22. D
23. B
24. C
25. C
26. D
27. C
28. A
29. C