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| <p>13. What determines how fast the solvent carries a molecule up the paper during paper chromatography?</p> | <p>14. A plant usually contains a mixture of several different plant pigments so that the plant will be able to capture & use more colors of light than the red & violet colors that chlorophyll only uses.</p> <p>True or False?</p> | <p>15. What is the name of the yellow-colored photosynthetic pigment that absorbs light for photosynthesis in the leaf?</p> <p>A) Chlorophyll a B) Chlorophyll b C) Carottene D) Xanthophyll</p> |
| <p>16. What is another name for the light independent reactions of photosynthesis?</p> <p>A) Walker Cycle B) Calvin Cycle C) Johnson Cycle</p> | <p>17. List the 2 end products of photosynthesis.</p> <p>a) $\text{CO}_2 + \text{H}_2\text{O}$ b) $\text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2$</p> | <p>18. In what part of the chloroplast does the light dependent reactions occur?</p> <p>a) Stroma b) Thylakoids/ Grana c) Mitochondria d) Cytoplasm</p> |
| <p>19. What is the name of the process that uses a solvent & paper to separate a mixture of substances?</p> <p>A) DNA Fingerprinting B) Paper chromatography C) Polymerase Chain Reaction D) In Vitro Fertilization</p> | <p>20. During which stage of photosynthesis is oxygen (O_2) released into the air?</p> <p>a) light dependent reactions b) light independent reactions c) anaerobic respiration d) aerobic respiration</p> | <p>21. What are the two main colors of light that are absorbed & used by chlorophyll?</p> <p>a) green & yellow b) red & green c) red & blue d) blue & green</p> |
| <p>22. What does the term photolysis mean?</p> | <p>23. What molecule carries both hydrogen and energized electrons from the light dependent reactions to the place where the light independent reactions occur?</p> <p>a) ATP b) NADPH c) ADP</p> | <p>24. What 2 molecules carry energy from the light dependent reactions to the light independent reactions where sugar can then be made?</p> <p>a) ATP & NADH b) NADPH & ATP c) ATP & FADH d) ATP & STP</p> |