

Biology K/H: Cell Parts and Cell Respiration Review

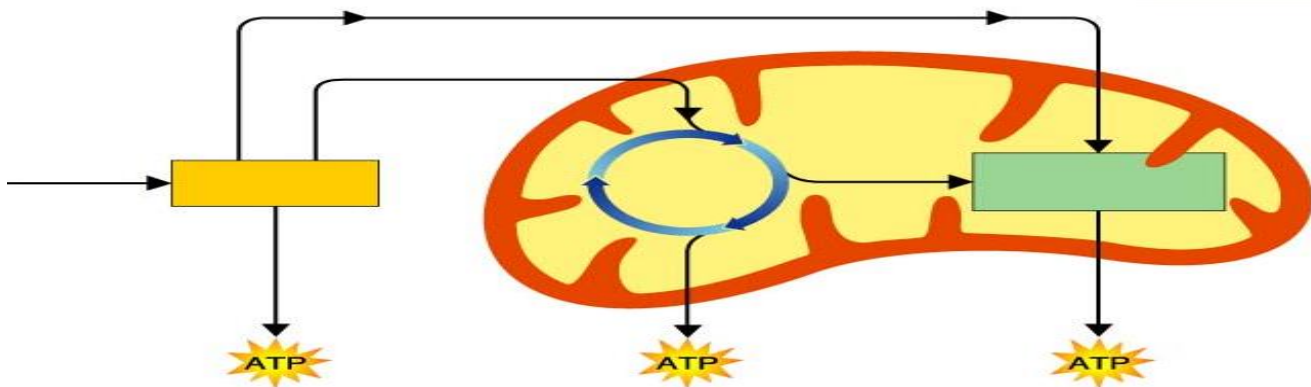
1. Function of cell parts:

- a. Cell wall
- b. Chloroplast
- c. Mitochondria
- d. Nucleus
- e. Ribosome
- f. Lysosome
- g. Golgi body
- h. Cytoplasm
- i. Endoplasmic Reticulum (smooth & rough)

2. Draw a eukaryotic cell with the following parts: nucleus, ribosomes, mitochondria, centrioles, Golgi and rough ER

3. What is the equation for Cellular respiration? Label Reactants and products

4. Complete (label) the overview diagram below of cellular respiration for a eukaryotic cell.



5. How many ATP is produced from breaking down one glucose molecule in aerobic cellular respiration? How do we get glucose?

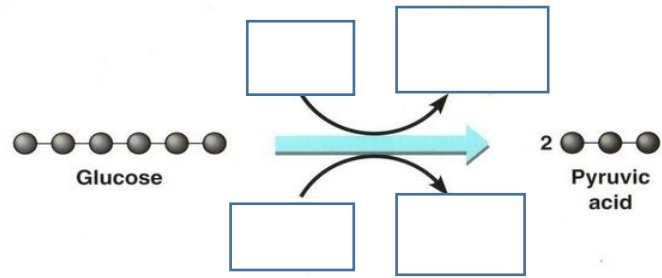
6. What are the 3 stages of Cellular Respiration?

7. Complete the _____ diagram.

Reactants:

Products:

Location:

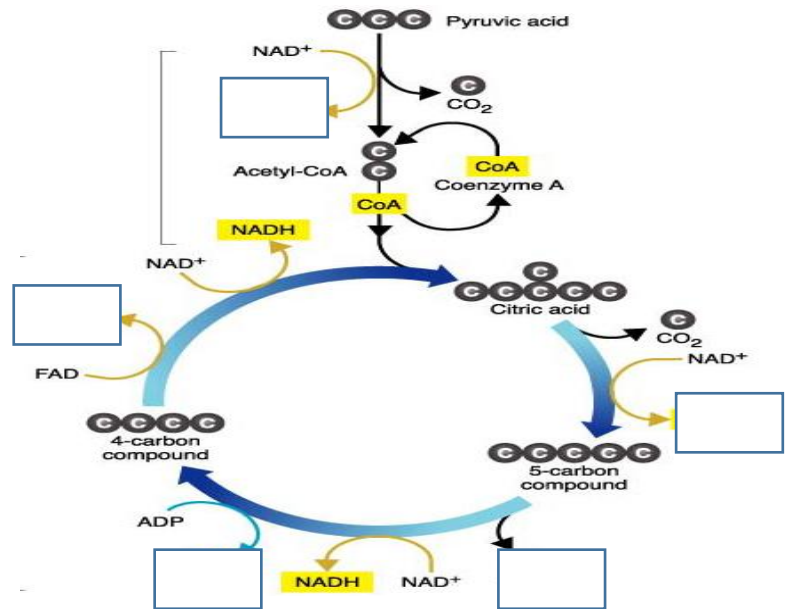


8. Complete the _____ diagram.

Reactants:

Products:

Location:

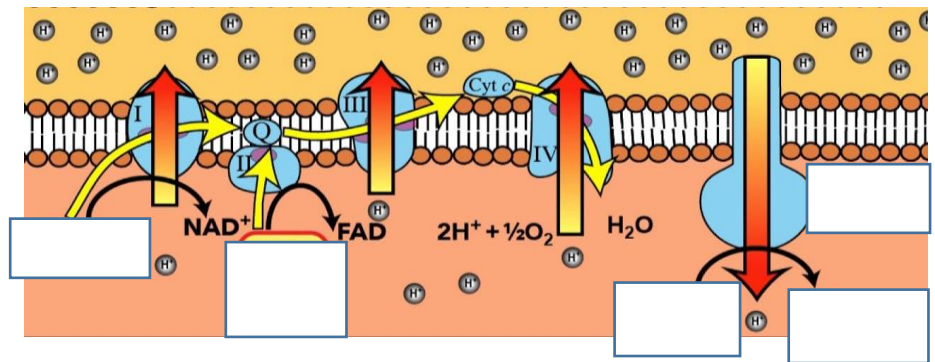


9. Complete the _____ diagram.

Reactants:

Products:

Location:



10. What are the functions of NADH and FADH₂ in cellular respiration?

11. What process will occur in anaerobic conditions?

12. What is Lactic Acid Fermentation?

13. What is Alcoholic Fermentation?

14. What is the equation for photosynthesis?

15. How are photosynthesis and cellular respiration related?