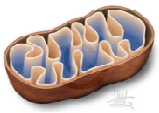
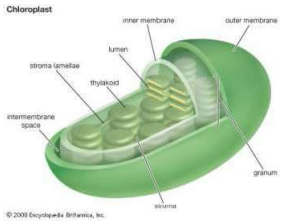


Cellular Respiration Worksheet



1) TRUE or FALSE: Cellular respiration helps us to breath.

2) What is the importance of cellular respiration?

3) What is the difference between aerobic respiration and anaerobic respiration? Be specific.

4) Write the equation for aerobic cellular respiration below.

_____

5) Describe the energy transformation that takes place during cellular respiration.

6) What are the 3 processes of aerobic cellular respiration?
   a. _____
   b. _____
   c. _____

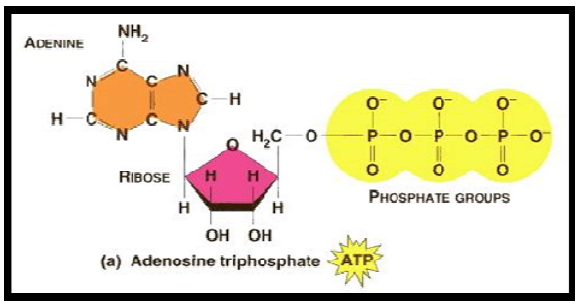
7) Where in the cell does glycolysis take place? _____

8) Where in the cell does the Kreb's Cycle take place? _____

9) Where in the cell does the ETC take place?_____

10) What molecule starts glycolysis? _____
   a. Where do plants get this molecule from? _____
   b. Where do animals get this molecule from?_____

11) What are the products of glycolysis?
   a. _____
   b. _____
   c. _____

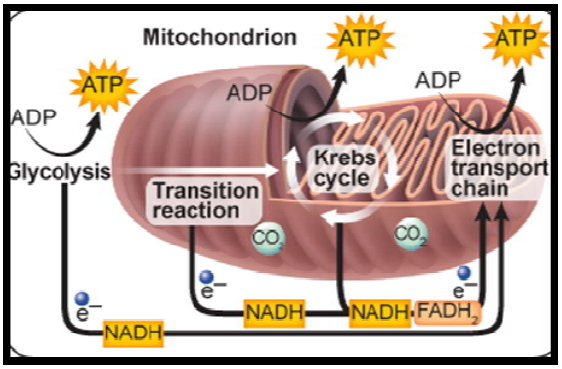


12) What molecules are needed to start the Kreb's Cycle?

a. _____

b. _____

13) What are the products of the Kreb's Cycle?



a. _____

b. _____

c. _____

14) What molecules are needed to start the ETC?

a. _____

b. _____

c. _____

15) What are the products of the ETC?

a. _____

b. _____

16) At the end of aerobic cellular respiration, how many ATP's were produced from one glucose molecule? _____

17) How are the chemical equations of photosynthesis and aerobic cellular respiration related?

18) What type of organism(s) would be able to complete photosynthesis? _____

19) What type of organism(s) would be able to complete aerobic respiration?

_____

20) What are the two types of anaerobic respiration (fermentation)? What type of organisms can go through each type?

a. _____

b. _____

21) What are the starting molecules for EACH type of fermentation?

a. _____

b. _____

22) What is the product of lactic acid fermentation? _____

23) What are the products of alcoholic fermentation? _____ & _____