



1. \_\_\_\_\_  
 a. \_\_\_\_\_  
 b. \_\_\_\_\_  
 c. \_\_\_\_\_  
 d. \_\_\_\_\_

e. Where does this happen?  
 \_\_\_\_\_

f. This part of the reaction is considered anaerobic respiration because it requires no \_\_\_\_\_.

g. What is broken down in the reaction? \_\_\_\_\_

h. What process originally made that molecules?  
 \_\_\_\_\_

i. How do heterotrophs get glycogen? \_\_\_\_\_

i. What 3 things are made through the break down of that molecule?  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

j. What type of energy transfer is starting here?  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2. \_\_\_\_\_  
 a. \_\_\_\_\_  
 b. \_\_\_\_\_  
 c. \_\_\_\_\_  
 d. \_\_\_\_\_

e. Where does this happen?  
 \_\_\_\_\_

f. This part of the reaction is considered aerobic respiration because it requires \_\_\_\_\_.

g. What molecule does the cycle use that was made in the previous step?  
 \_\_\_\_\_

h. What gas is released into the atmosphere as waste? \_\_\_\_\_

i. What is the name of the energy molecule made that provides the energy for other chemical reactions?  
 \_\_\_\_\_

j. What other products are made and what do they do?  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

3. \_\_\_\_\_  
 a. \_\_\_\_\_  
 b. \_\_\_\_\_  
 c. \_\_\_\_\_

d. Where does this happen?  
 \_\_\_\_\_

e. This part of the reaction is considered aerobic respiration because it requires \_\_\_\_\_.

f. What gas is needed for this reaction to take place? \_\_\_\_\_

g. Where does this reactant come from? \_\_\_\_\_

h. What molecule is used in this reaction that was made in steps 1 and 2 of cellular respiration?  
 \_\_\_\_\_

i. What is formed as waste during this reaction? \_\_\_\_\_

j. This waste product is either \_\_\_\_\_ by the body or given off to the atmosphere.

k. What is the energy molecule made in this step and how many? \_\_\_\_\_

# Mitochondria

Cellular respiration occurs in plants, animals, or both? \_\_\_\_\_

Cellular respiration breaks down \_\_\_\_\_ to release \_\_\_\_\_ energy.

Equation for Cellular Respiration



Compare this equation to photosynthesis?

Cellular Respiration happens and 3 steps found above. Descriptions of each underneath the flaps.

STEP 1	STEP 2	STEP 3
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