

Respiration Model

Learner Outcome: The student will be able to construct a paper respiration model to demonstrate how food particles (glucose) move through the cell to be released as energy (Standard MS-LS1-7).

Directions:

1. Color each of the arrows (oxygen, carbon dioxide, energy, and glucose) a different color. Several mitochondria can be in a one cell. Color the mitochondria the same color.
2. Cut out all the outlined parts and glue the oxygen, glucose, mitochondria, carbon dioxide, and energy onto the cell in the correct manner that shows respiration.
3. Label the model as "Cell Respiration".
4. In the box below, construct an explanation for the model in a paragraph form. Explain what goes into the cell and what comes out of the cell. Cut out the box and glue to the back of the construction paper to be graded.

Assign #

Grading Rubric

Accuracy of Model	1	2	3	4	5
Explanation of Model	1	2	3	4	5
Neatness/Effort	1	2	3	4	5
Total					/15



Oxygen

(oxygen that is taken in through breathing will travel to the cell through blood)



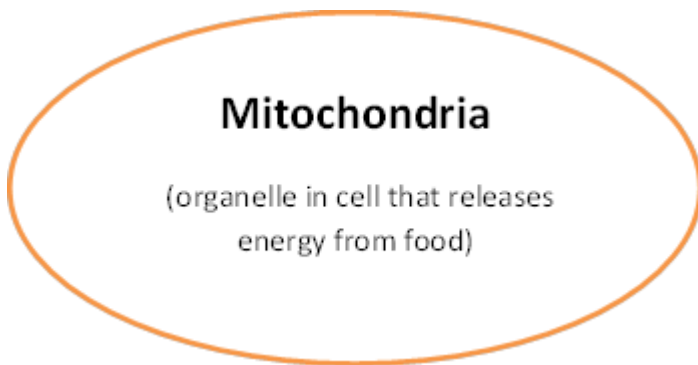
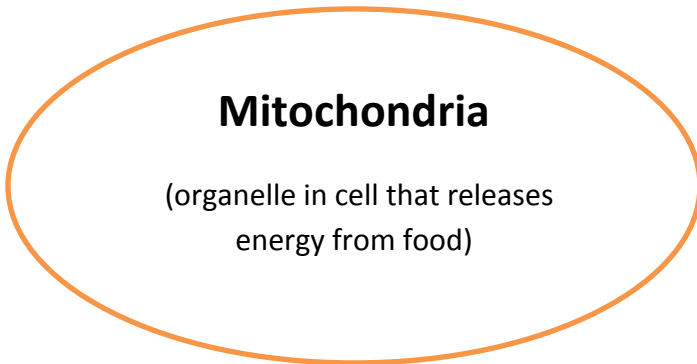
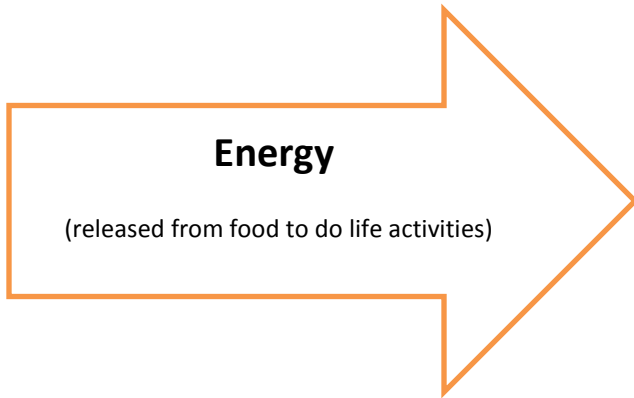
Glucose

(small particles of food move from the blood to the cell)



Carbon Dioxide

(waste product resulting from the process)



Cell

Nucleus

