# CELLULAR RESPIRATION WEBQUEST

#### ATP: THE ENERGY OF LIFE

Go to: Biology in Motion.	Read & complete the activity.	(http://www.biologyinmotion	.com/atp/index.html)
1. What is ATP?			

- 2. How are the foods that we eat and ATP related?
- 3. THINK: ATP provides the body with energy. Give 3 examples of how ATP is used in organisms.



### AN OVERVIEW OF CELLULAR RESPIRATION

Go to <u>Understanding Cellular Respiration</u>. Read through the information provided. (http://www.essortment.com/all/cellularrespira\_rmpr.htm)

- 4. Where in the cell does respiration occur?
- 5. Write the equation for aerobic cellular respiration.
- 6. What are the three steps of cellular respiration?
- 7. List an alternative to cellular respiration.



## CELLULAR RESPIRATION: A CLOSER LOOK

Go to <u>BioCoach Activity: Cell Respiration</u>. Click on each concepts and answer the following questions. (<a href="http://phschool.com/science/biology\_place/biocoach/cellresp/intro.html">http://phschool.com/science/biology\_place/biocoach/cellresp/intro.html</a>)

8.	Click on	Concept 1	& 2.	Where does	glycolysis	occur?	What	is the	function	of this	stage o	frest	oiratio	n?

- 9. Click on Concept 3. Read through the information on the Krebs (Citric Acid) Cycle. Click "Review" in the top right corner and then summarize this stage in your own words.
- 10. Click on Concept 4. Summarize the purpose of the Electron Transport Chain in your own words.



#### **FERMENTATION**

Go to Cellular Respiration. Read about fermentation. (http://en.wikipedia.org/wiki/Cellular\_respiration)

11. Explain the difference between ethanol fermentation and lactic acid fermentation.

Biology: Energy e3 Matter
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## CELL RESPIRATION: A SUMMARY

Go to About.com: Biology: Cellular Respiration. Read about ATP yields.

(http://biology.about.com/library/weekly/aa090601a.htm)

12. How many ATPs are produced total in cellular respiration?

Go to <u>Quia: Cellular Respiration</u>. Play the "Matching Game" for Cellular Respiration. (http://www.quia.com/mc/835446.html)



### CELLULAR RESPIRATION: A QUIZ

Go to <u>About.com: Biology: Cellular Respiration Quiz</u>. Take the quiz. For those that you miss, write the question with the correct answer underlined in the space below. (<a href="http://biology.about.com/library/quiz/blcellresquiz.htm">http://biology.about.com/library/quiz/blcellresquiz.htm</a>)