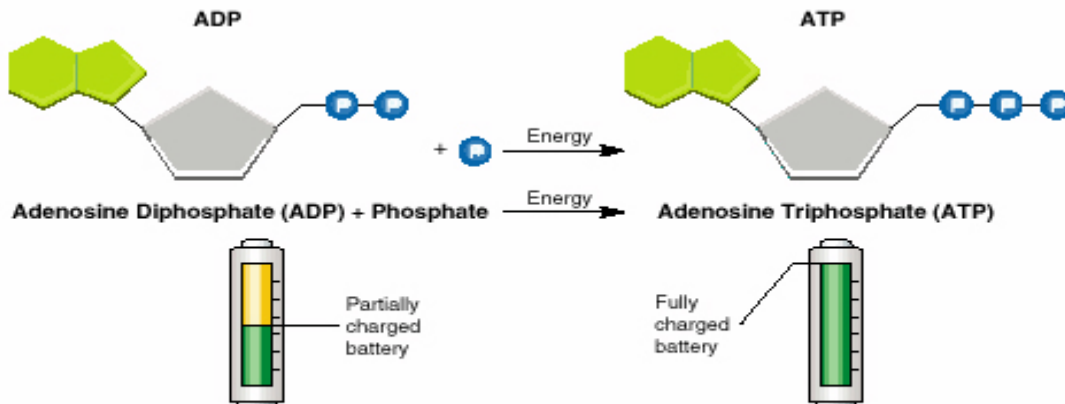


## Guided Reading Questions for ATP (pp.202-203) and Cellular Respiration (pp. 221-232)

### Chemical Energy and ATP:

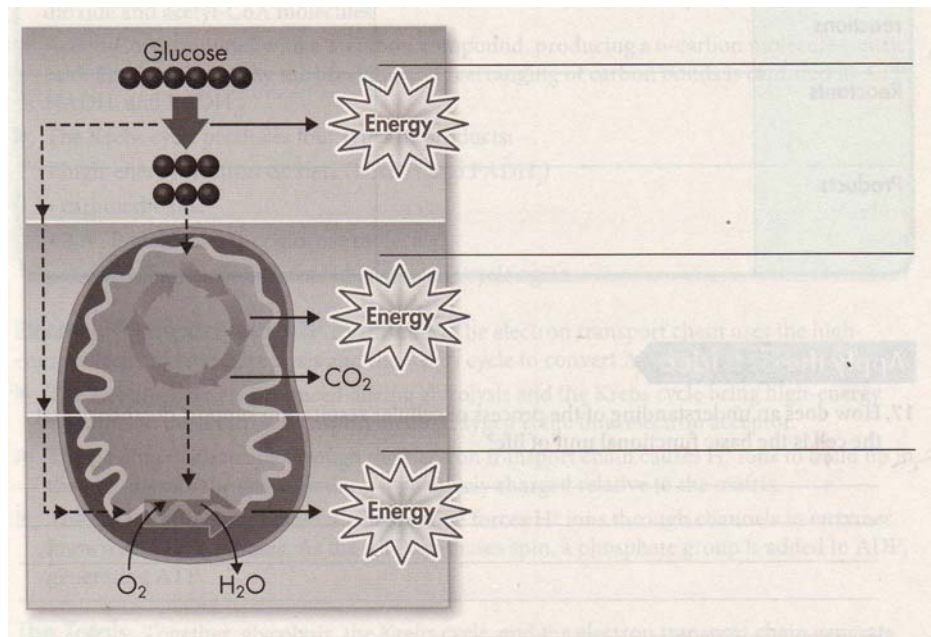
1. What is ATP and what is its role in providing chemical energy for cells?
2. Explain the relationship between ATP and ADP.
3. Why is having 3 phosphates on ATP similar to a fully charged battery vs. having 2 phosphates on ADP being like a partially-charged battery? Decipher the diagram below!



4. What is the relationship between food you eat and ATP??

### Cellular Respiration Overview:

5. What are the three parts of cellular respiration? Use the diagram on the right to identify the three parts and briefly explain what the overall goal is for each part.



6. Fill out the chart below on the in's and out's of cellular respiration.

	Glycolysis	Krebs Cycle	Electron Transport Chain
Molecules that "enter"			
What happens to these molecules?			
What results or "leaves"?			
Anaerobic or aerobic? (needs oxygen or not)			
Where does this process take place?			