

Biology Chapter 9: Homework

Hmwrk 9-1

1. What is the importance of food for living things?
2. Define calorie.
3. What is cellular respiration? Write out the overall equation for cellular respiration.
4. What is glycolysis?
5. Compare NADH and NADPH.
6. What is fermentation? What are the two types of fermentation mentioned in the book?

Hmwrk 9-2

1. Define aerobic and anaerobic.
2. What is the Krebs Cycle? Define *in your own words*.
3. What is the importance of the electron transport chain? Where else did you see the electron transport chain?
4. In the presence of oxygen, how much ATP is produced by the cell? Compare this to how much is produced in the absence of ATP.
5. Describe the processes your muscles follow when you run a 5 kilometer race. Where do your muscles gain their energy?