

Cell Energy Worksheet

Name: _____ Date: _____ Hour: _____

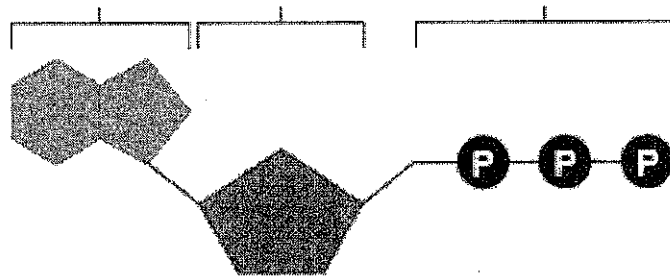
1. What type(s) of carbon-based molecules (organic compounds) are the source for most of the energy in the foods you eat? (Hint: think about the 4 macromolecules)

2. Where is the energy stored in these molecules? Which bond has the most energy stored?

3. What does ATP stand for?

4. What is ATP used for in cells?

5. Identify the parts of an ATP molecule below. Label adenosine, ribose, and phosphate molecules.



6. How is energy stored in the ATP molecule?

7. What happens to the ATP molecule when a phosphate group is removed? (What does it turn into?)

8. Diagram the cycle of going from ATP to ADP.

9. Using your best reasoning, how do you think plants produce ATP?
