

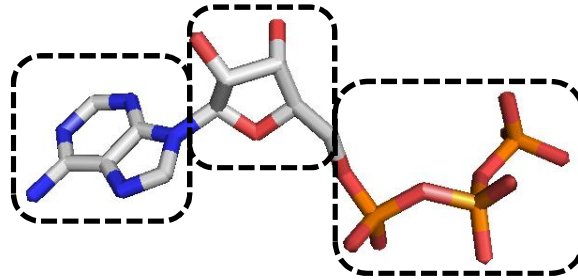
# QB4 - ATP

Name:

Date:

1. Adenosine triphosphate is a small molecule found in all organisms. What is the role of ATP?

2. Label the three parts of ATP.



3. The enzyme ATP hydrolase hydrolyses ATP. What are the two breakdown products of this?

4. State which bond is cleaved in the process, and explain the naming of the two products.

5. How does hydrolysing ATP transfer energy in a cell?

6. Explain how hydrolysing ATP can lead to other molecules being phosphorylated.

7. Describe how ATP is resynthesised within cells, and explain where the energy for this process comes from.