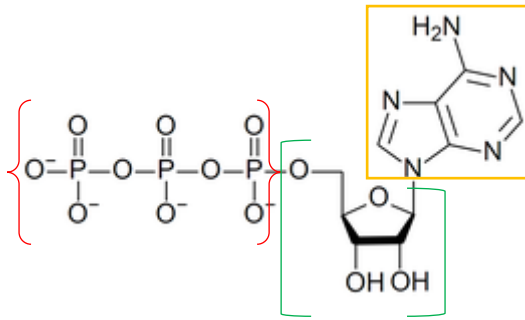


A molecule of ATP is made of 5 smaller molecules bonded together. Name all five.

Answer:

The molecule of ATP consists of several fragments:



First fragment: nucleobase, adenine (highlighted by a yellow square).

Second fragment: sugar molecule, ribose. It is attached with 1' carbon atom to a nitrogen atom in ninth position of adenine molecule. Highlighted with green parenthesis.

Third fragment: three bonded together phosphate groups. Highlighted by red braces.

In total, we have **5** molecules: **1** adenine molecule, **1** ribose molecule and **3** molecules of phosphoric acid.