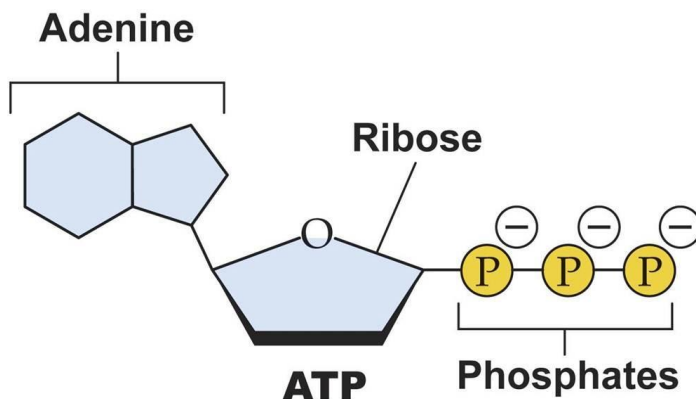


ATP

Made of three components, Adenine, Ribose and Phosphate.



How does ATP store energy?

- 1- Unstable phosphate bonds
- 2- Low activation energy
- 3- Energy is released when these bonds break

How is energy released?

ATP is hydrolysed to form ADP+P

ATP is the source of energy for:

- Active Transport
- Activation of molecules (Phosphorylation)
- Movement
- Secretion
- Metabolic Processes (protein synthesis etc)

Why is ATP useful for biological processes?

- Immediate energy release
- In small manageable amounts
- One step reaction
- ATP can be resynthesized

Why isn't ATP a good energy store?

It is an unstable molecule due to weak phosphate bonds, it also gets used up really quickly, hence why our body is making more all of the time through respiration.

Happy Revising☺