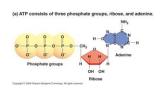


What Energy does the Cell Use?

- ATP
- adenosine TRIphosphate
- · Assembled in mitochondria



Where's the energy in ATP?

- Because all THREE phosphate groups are negative, they REPEL each other but are held in place by a bond.
- This is like a COMPRESSED SPRING!





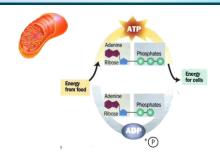
Where's the energy in ATP?

- Energy is IN THE BONDS THAT HOLD THE PHOSPHATE TOGETHER!
- When one of these bonds are broken... ENERGY IS **RELEASED!**
- Like letting go of the spring.





The ATP Cycle



What ENERGY?

ATP!