ATP SUMMARY NOTES

**Why do organisms need energy?**

* Metabolism – chemical processes
* Movement (inside/outside)
* Active transport
* Production of enzymes/hormones
* Maintaining body temperature

**Roles of ATP**

* ATP is an intermediate energy substance used to transfer energy.
* Cells maintain just a few seconds supply of ATP
* It is a better immediate energy source than glucose because the energy is more manageable in small quantities.
* The hydrolysis of ATP is a single step reaction

**why is it better then glucose?**



* Releases less energy per molecule so released in smaller more manageable quantities
* Hydrolysis to ADP is single reaction so is quick