**Energy in a Cell: ATP**

Name:

What does ATP stand for?

What is the equation for energy in a cell concerning ATP and ADP?

What is ATP’s role in a cell?

What is the chemical structure of Adenosine?

Adenosine is a combination of two molecules—what are they?

Draw the tri-phospate molecule:

Cornell Notes

Why are the electrons in the phosphates in a higher energy state?

Why don’t the bottom oxygen ions in the phosphate molecules not like each other?

How does water hydrolyze the bond between phosphate molecules?

What is the result of ATP being hydrolyzed by water?