

ATP Cycling Notes

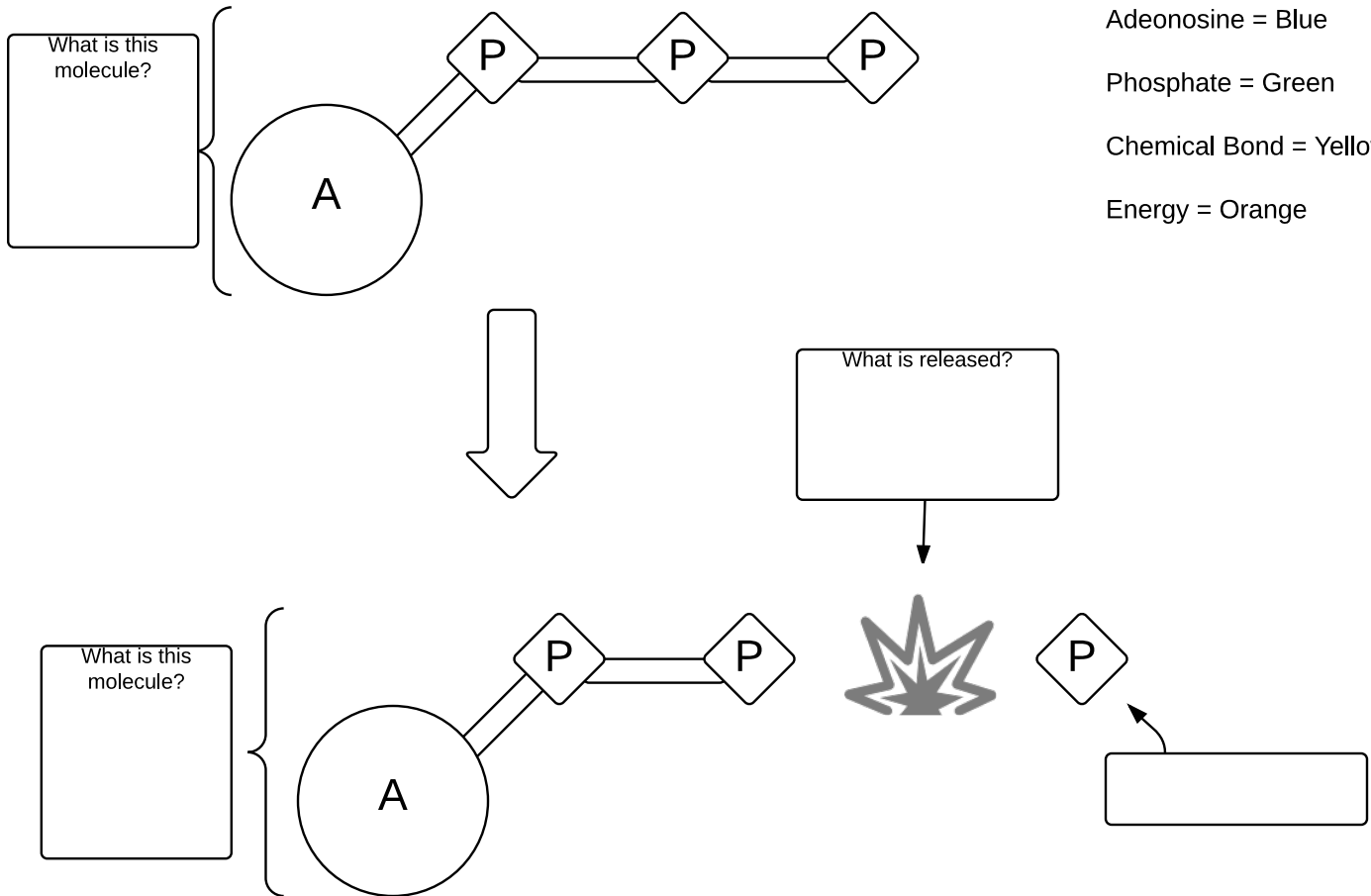
Key:

Adenosine = Blue

Phosphate = Green

Chemical Bond = Yellow

Energy = Orange



1. ATP is important as a source of _____ for all cell processes
2. ATP is used to construct things in cells and move things in and out cells. These two functions allow cells to do thousands of other things (e.g. muscle contraction, nerve conduction).
3. Small amounts of ATP are produced in the cytoplasm, but most comes from the _____.
4. ATP's energy is trapped in the _____ between phosphates
5. To get at the energy in ATP the cell must _____ those bonds. This releases a small amount of energy and turns the ATP in to _____ and a _____.
6. ADP and free phosphate can then be rejoined using energy from _____ during cell respiration.
7. The continual breaking down and reconstructing of ATP represents a _____.

