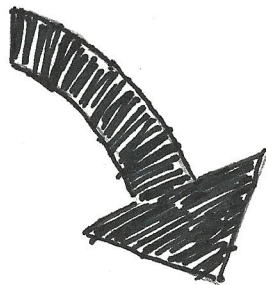
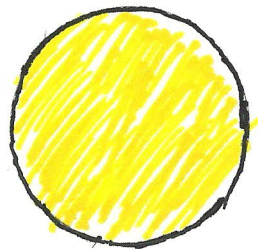
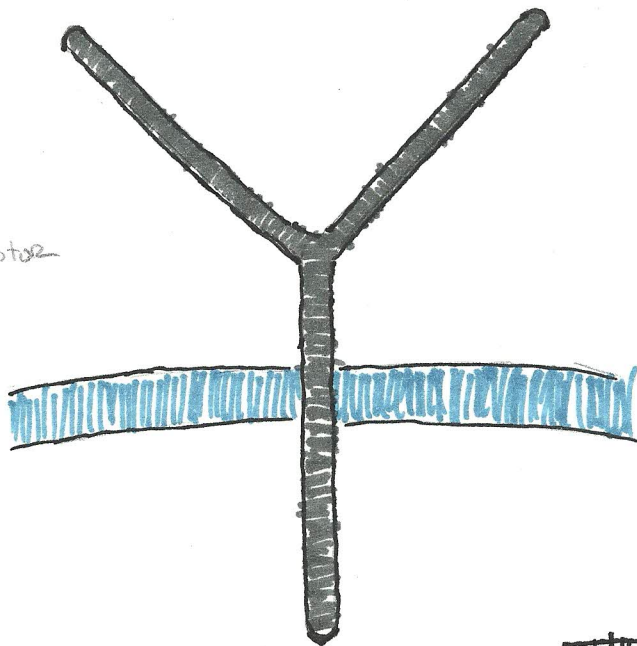


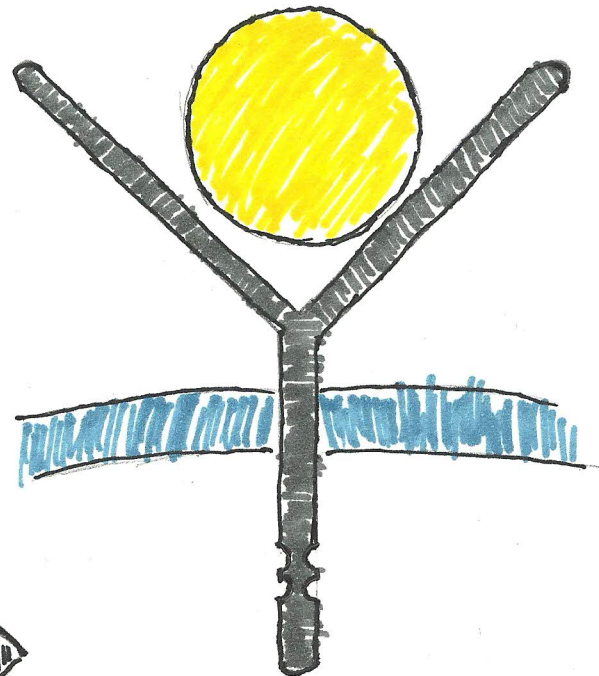
This is the Signaler Molecule



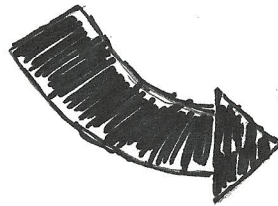
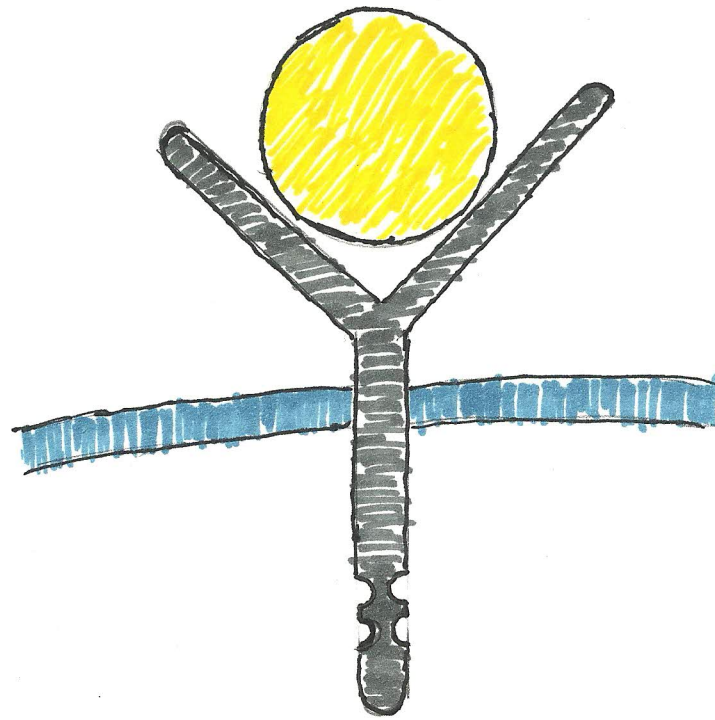
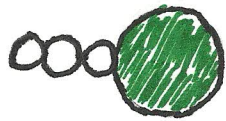
This is the Receptor  
Protein in the  
Cell Membrane



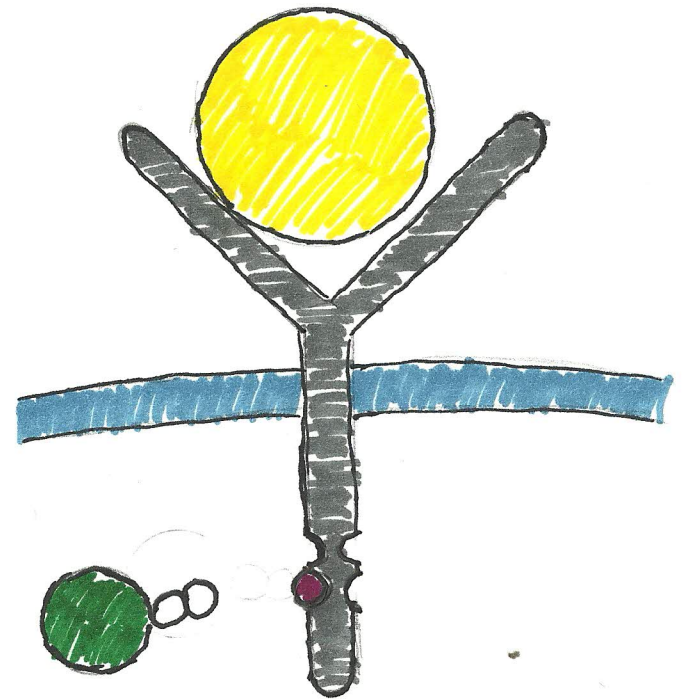
The Signaler locks to the  
Receptor and instructs it  
to prepare to receive phosphates



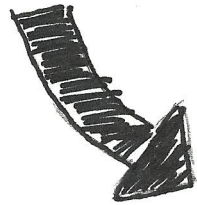
This is the ATP,  
A nucleotide carrying  
Three Phosphates.



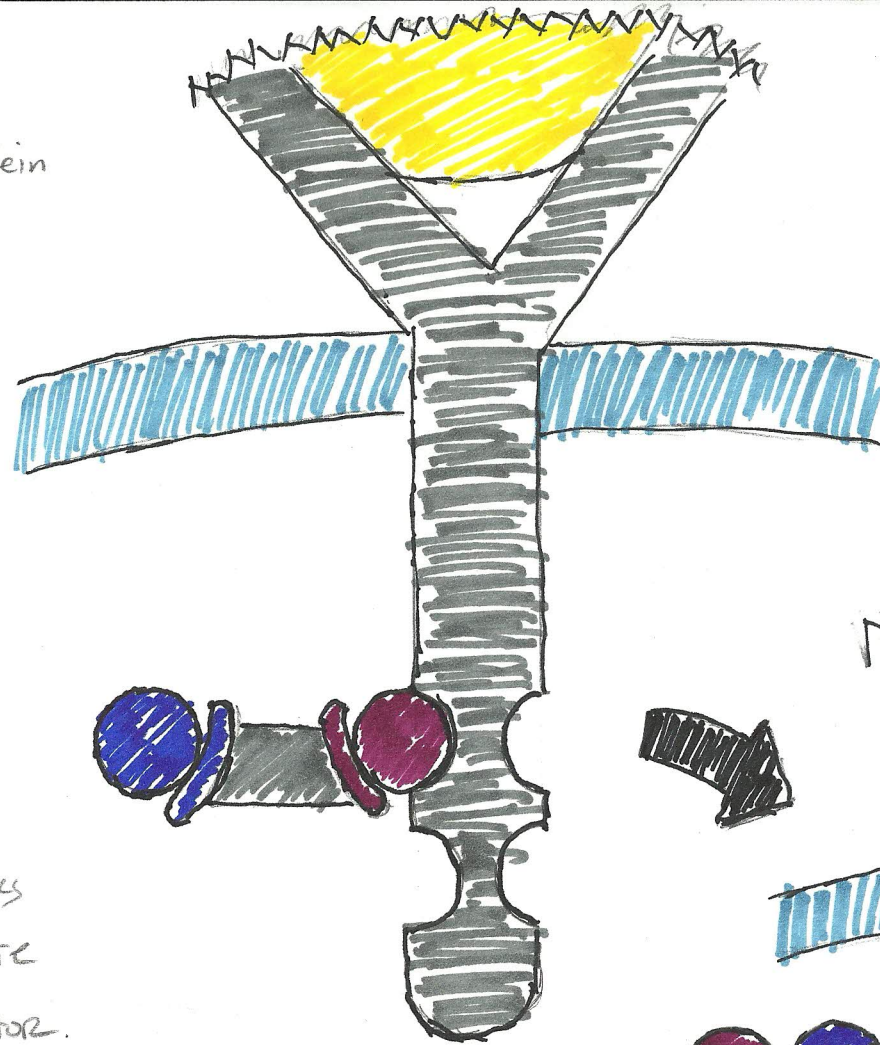
The ATP seeks out  
The Receptor and deposits  
One of its phosphates.



This is The G-Protein  
Carrying a GDP



The G Protein Seeks  
Out the Phosphate  
on the Receptor.



The G-Protein "Docks"  
with the Phosphate on  
The Receptor where  
It Releases Its GDP  
And Picks Up A GTP  
Before Moving on.

