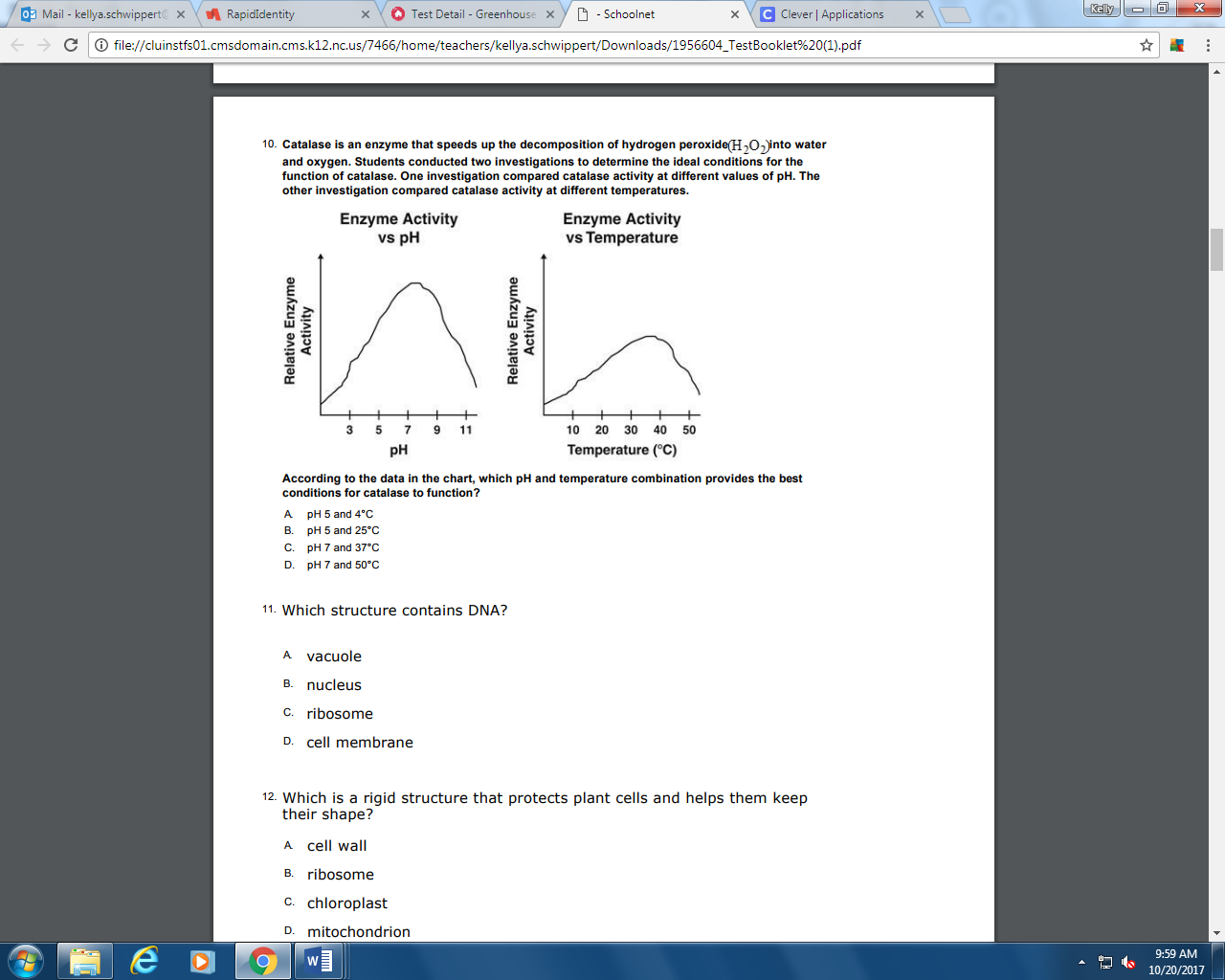
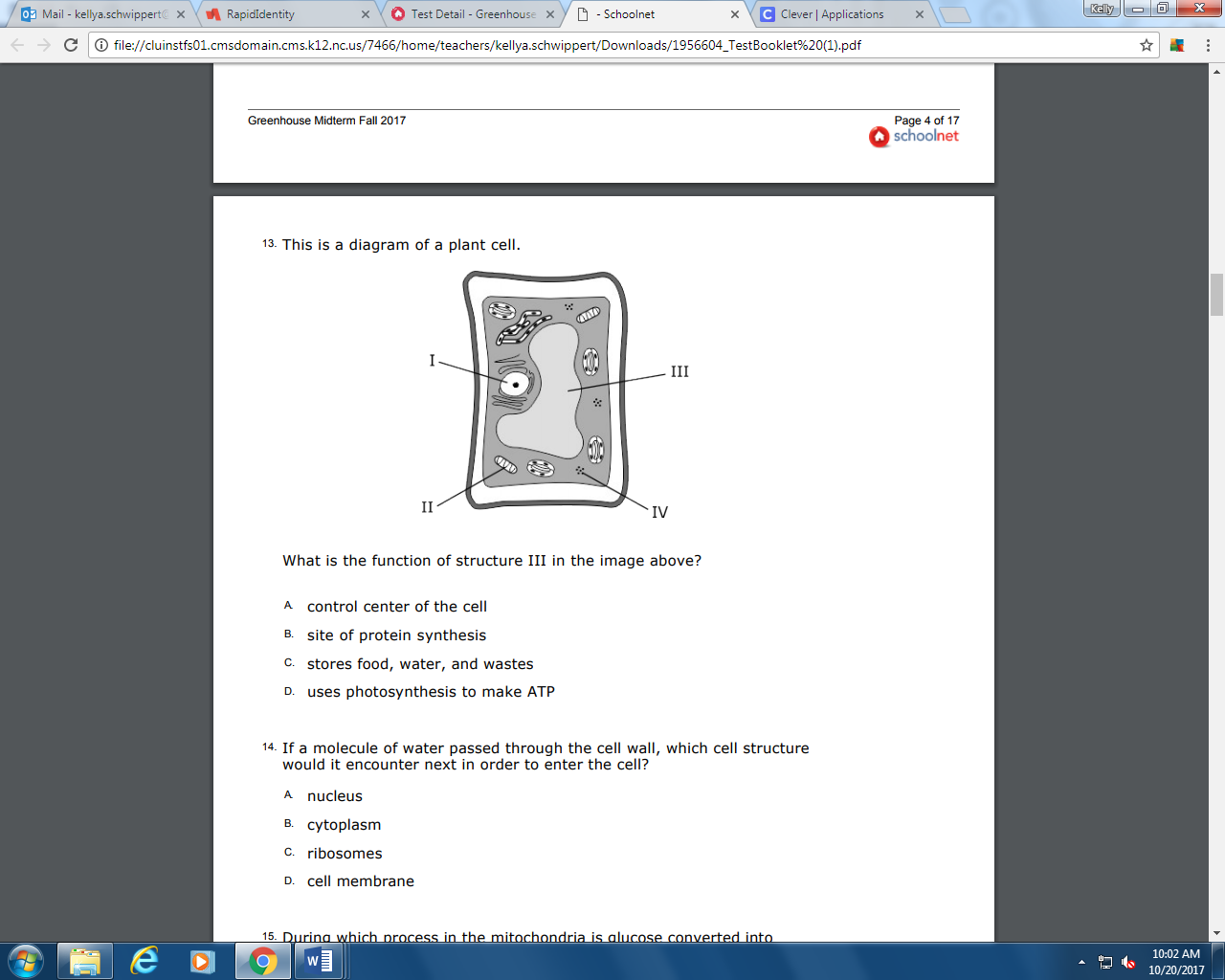
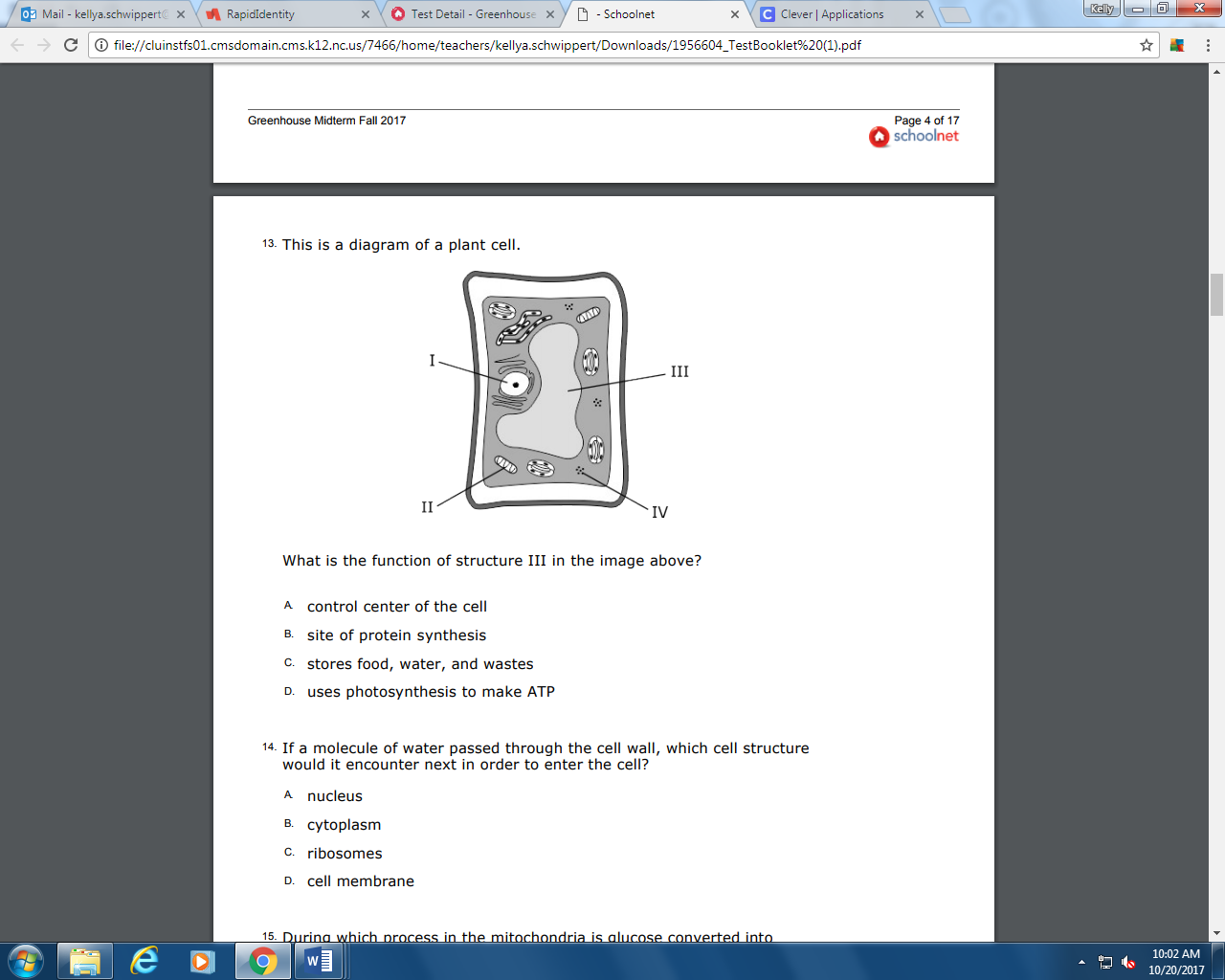
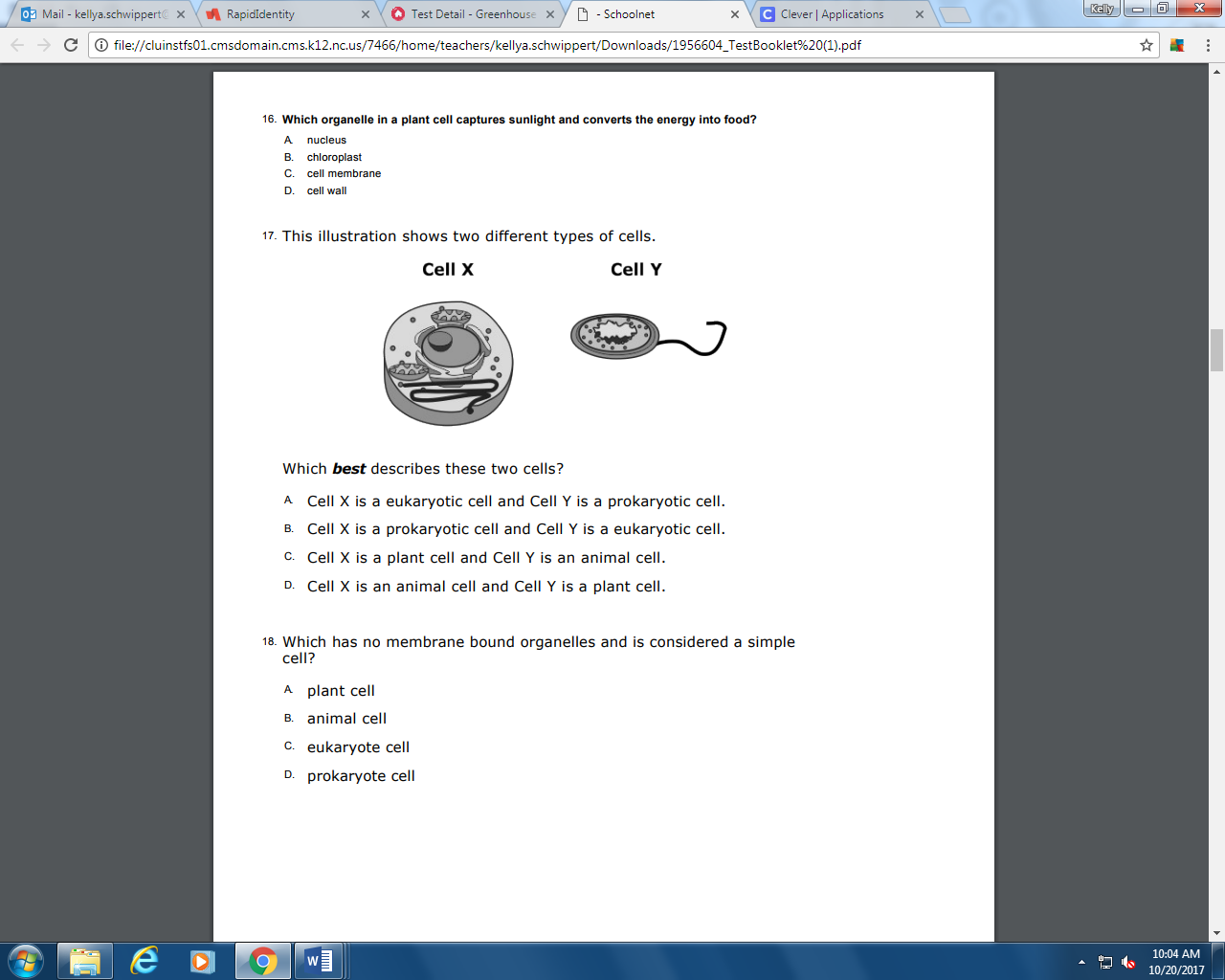
1. **What are the subunits of DNA and their function?**
2. **What are the subunits of a carbohydrate and their function?**
3. **What is a monosaccharide?**
4. **What are the subunits of protein?**
5. **Which is a function of lipids?**
6. **What type of molecule are enzymes?**
7. **What is the function of an enzyme?**

****

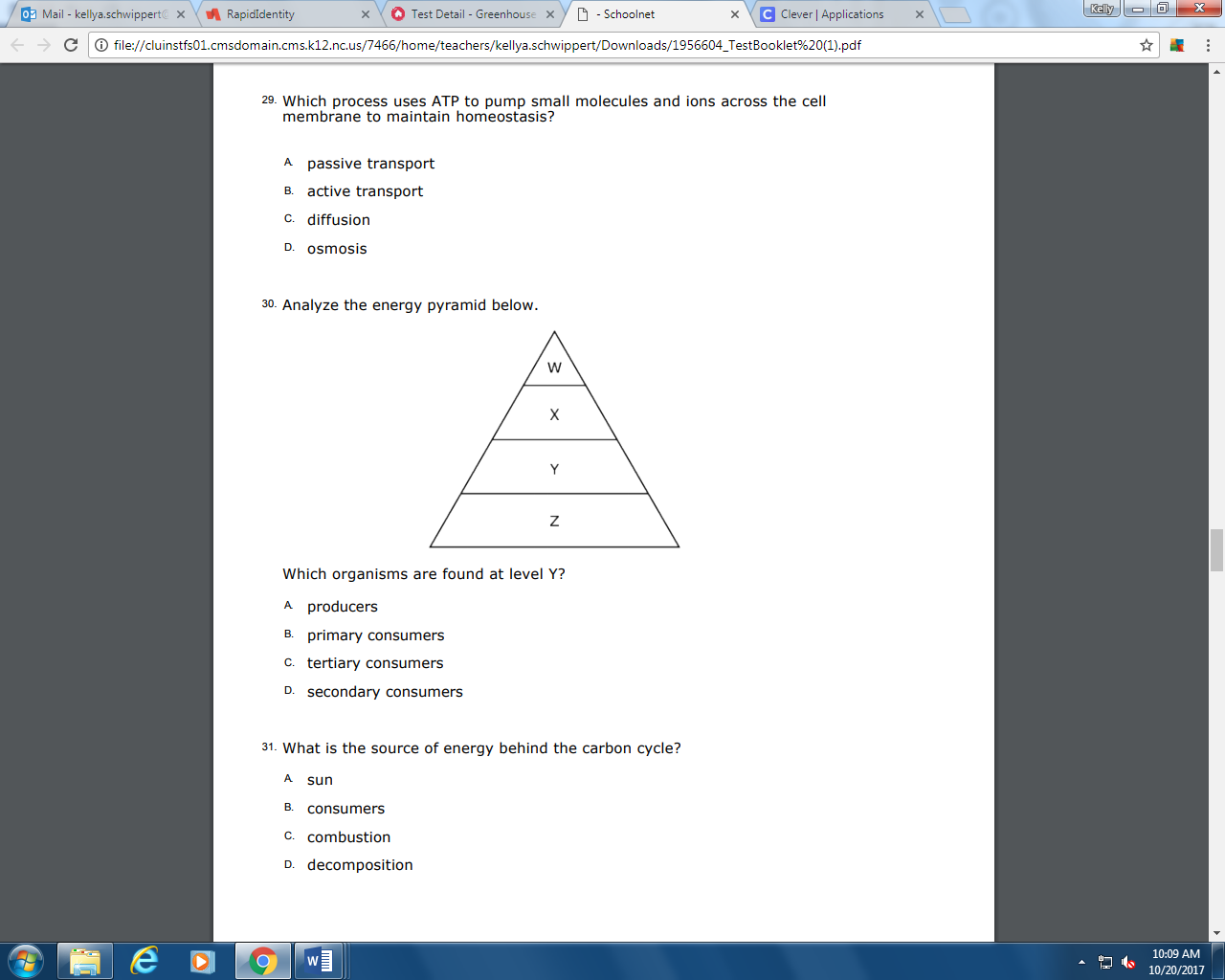
1. **What is the optimal pH for this enzyme?**
2. **What is the optimal temp for this enzyme?**
3. **What is the function of the**
   1. **Nucleus**
   2. **Cell wall**
   3. **Ribosome**
   4. **Mitochondria**
   5. **Chloroplast**
   6. **Cell Membrane**

****

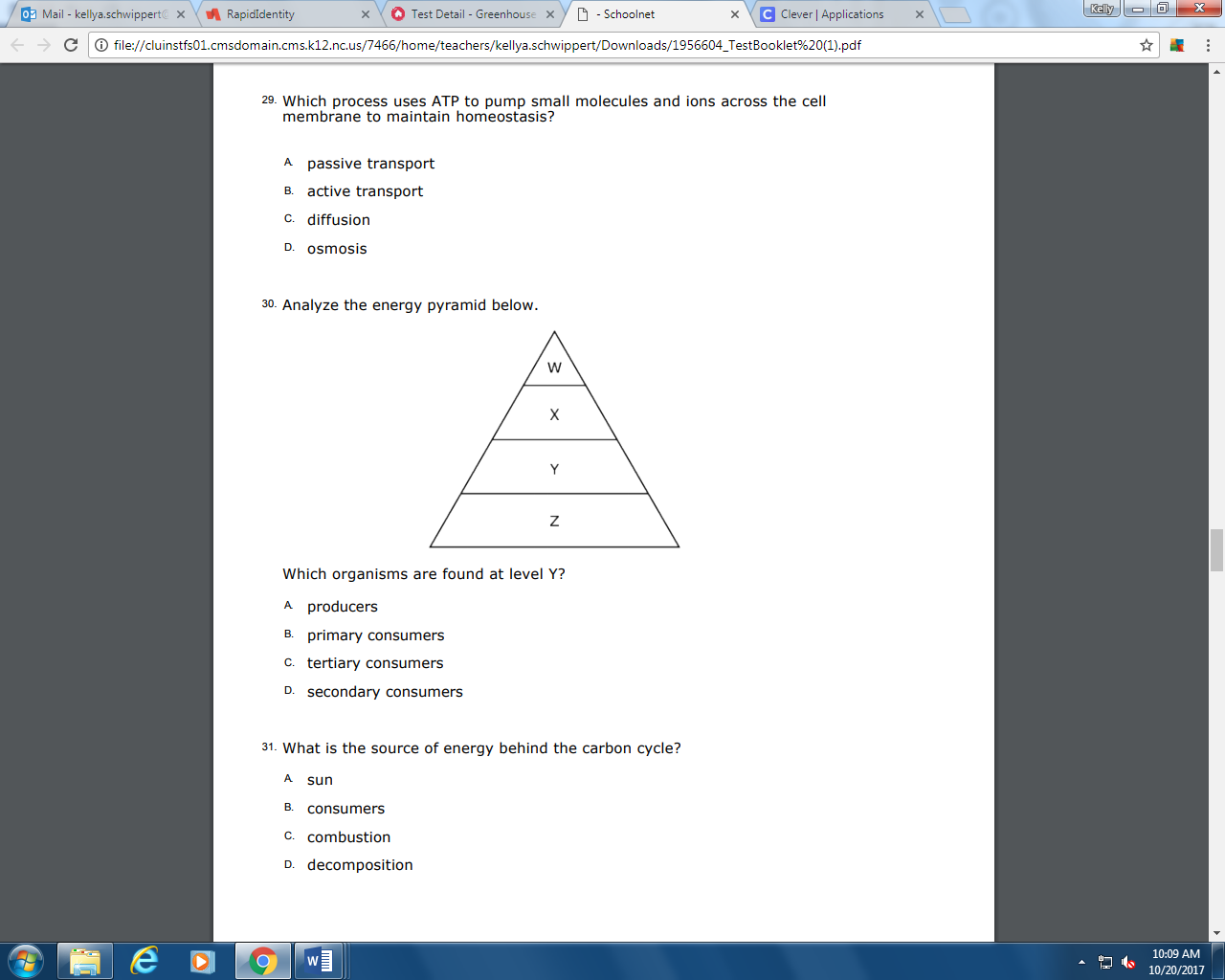
1. **Label I, II, III, and IV**
2. **What process occurs in the mitochondria?**
3. **What process occurs in the Chloroplast?**

****

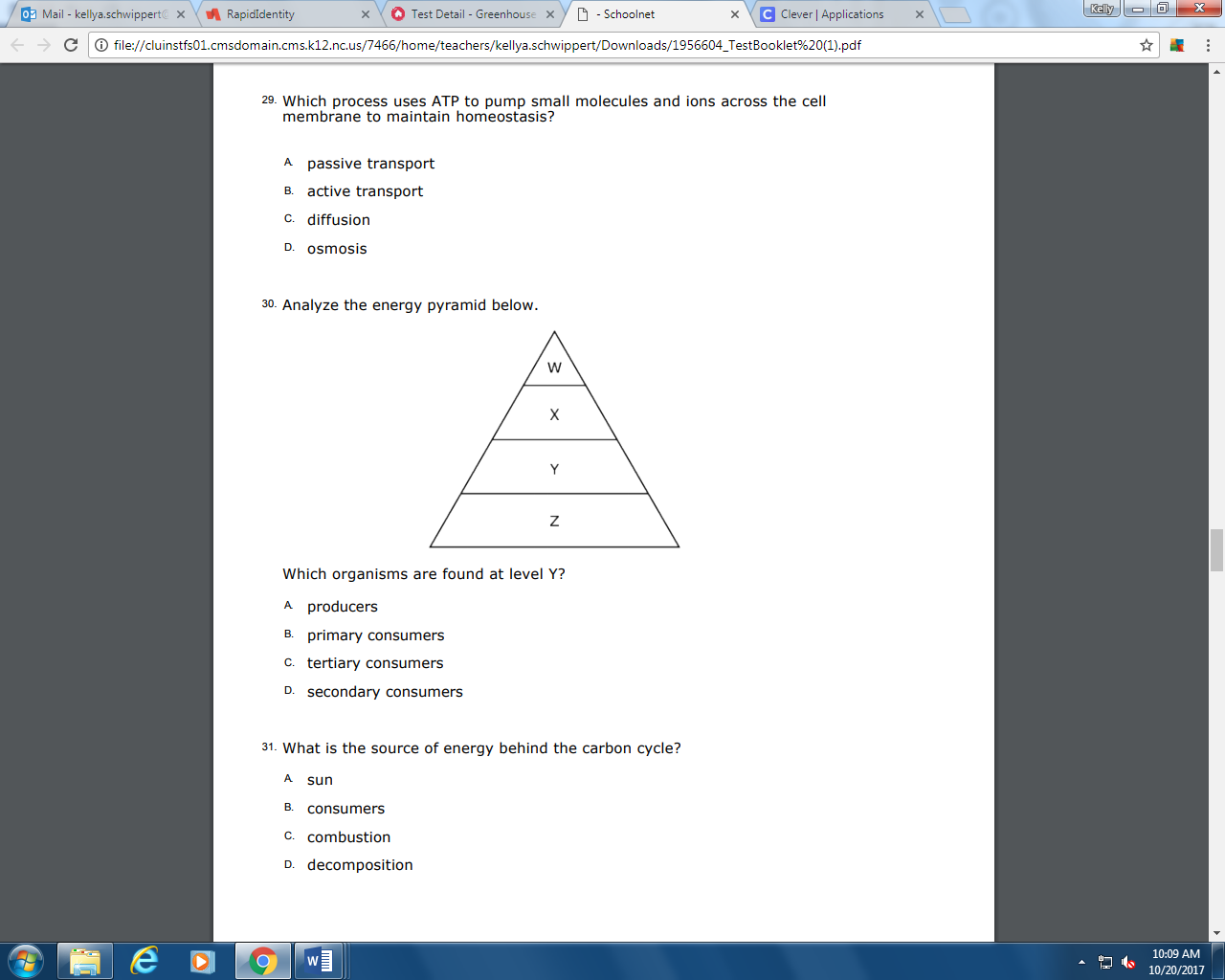
1. **What type of cell is X? Prokaryotic/ Eukaryotic**
2. **What is a prokaryotic cell?**
3. **What is a eukaryotic cell?**
4. **Define osmosis**
5. **Define diffusion**
6. **Which way to molecule move in passive diffusion? From \_\_\_\_\_\_ to \_\_\_\_\_ concentration**
7. **Which way to molecule move in active transport? From \_\_\_\_\_\_ to \_\_\_\_\_ concentration**
8. **What does active transport require?**
9. **What would happen to a cell placed in salt water?**
10. **What would happen to a cell placed in pure water?**

****

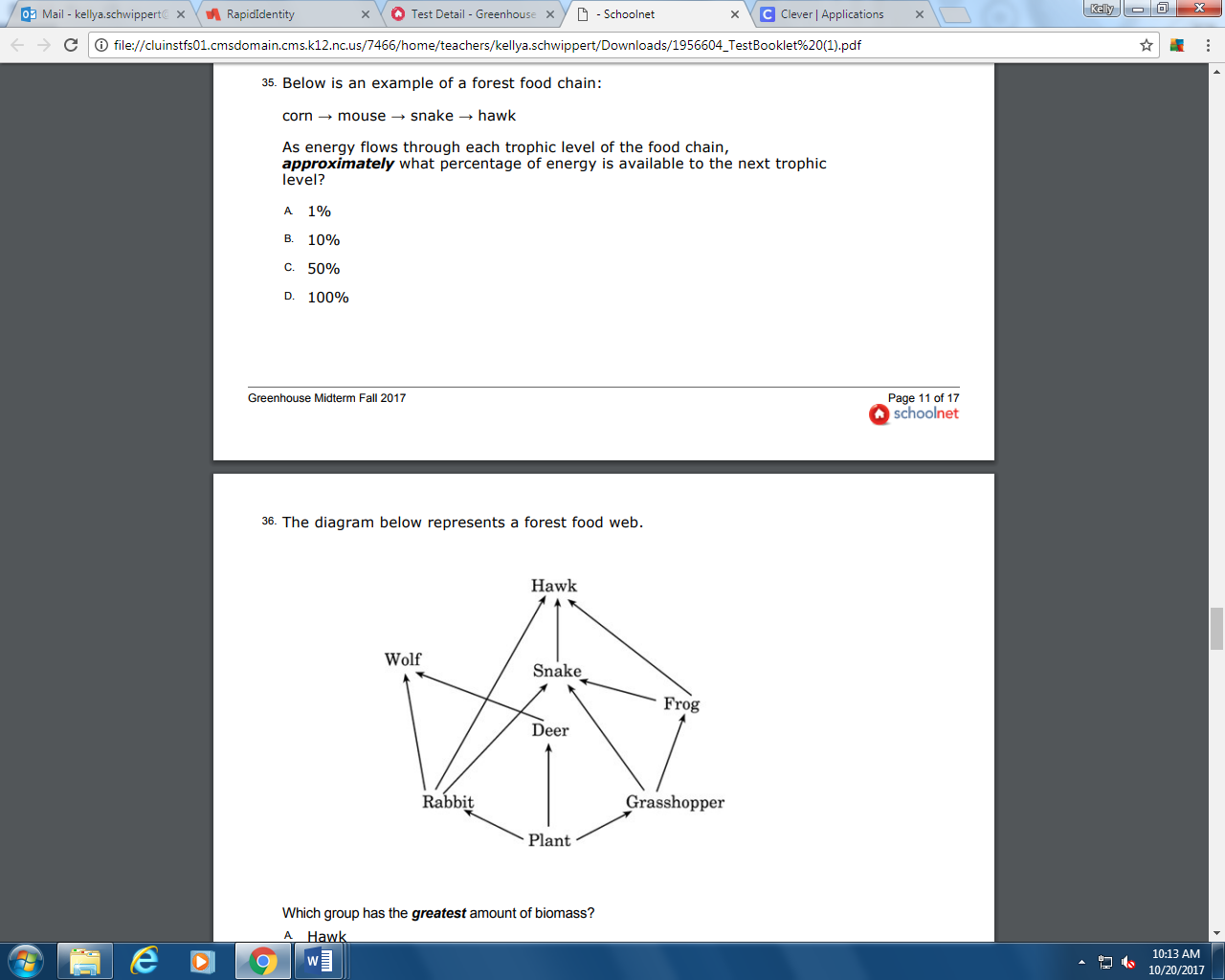
1. **What level has the most energy? What level has the least amount of energy?**
2. **What is a producer? What level are they on this pyramid?**

****

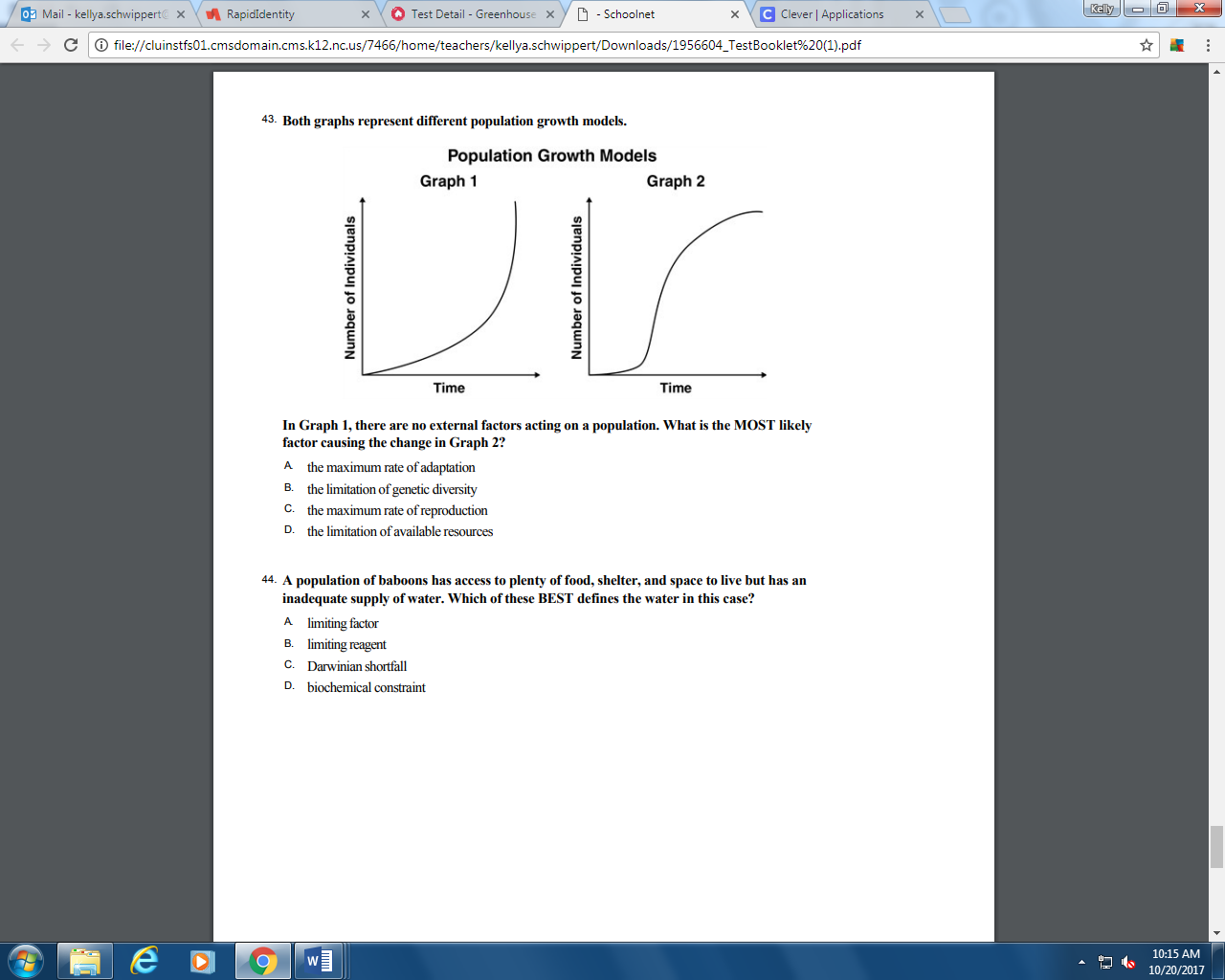
1. **What is a consumer? What levels are they on this pyramid?**

****

1. **Where does the energy come from?**
2. **Describe mutualism.**
3. **Describe parasitism.**
4. **Name a predator on the food web.**
5. **Name a prey on the food web.**

****

1. **Where is there the most energy available? Where is there the least energy available?**
2. **What percent of energy gets transferred to the next level?**
3. **Which graph shows exponential growth? Which shows logistic growth?**

****

1. **Define carrying capacity.**
2. **Define limiting factor**