Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour:\_\_\_\_\_\_

**Lipids and Nucleic Acids**

*Log into Discovery Education by clicking the link on the media center homepage (*[*http://khhsmc.weebly.com/*](http://khhsmc.weebly.com/)*). Your username and password are the same as your school account. Click on the homework tab to find a link to your assignment section and use the information you find to answer the questions below.*

**Text: Lipids (Explore Tab, Page 2)**

1. What elements are lipids primarily made of?
2. What does it mean for something to be hydrophobic? What is a good way to test out if things are hydrophobic?
3. What do lipids store? Do they have more or less of this than carbohydrates?
4. Why do you think phospholipids are so good at controlling what enters and exits a cell?
5. What are the monomers of a triglyceride? (hint there are two different types)
6. What are saturated fats “saturated” with?
7. Which are the good fats, saturated or unsaturated?

**Video: Lipids (The one with the frog)**

1. What are the three types of lipids?
2. What is a well know sterol? What does it make?

**Video: Fatty Acids**

1. What does it mean to be saturated?
2. What happens if a fatty acid is unsaturated? (hint what happens with the bonds)
3. What is the problem with saturated fats?

**Whole Class Review:**

**Lipids**

* Function:
* Monomers:
* Examples:

**Saturated vs. Unsaturated Fats**

**Text: Nucleic Acids (Explore Tab, Page 2, scroll down)**

1. What is the role of nucleic acids in living cells?
2. What are the two types of nucleic acids?
3. What do you think it means that nucleic acids are like the blueprints for life (hint: what is a blueprint)?
4. How are the words monomer and polymer related?
5. What are the monomers for nucleic acids?
6. What three things make up a nucleotide?
7. What are the four bases in DNA?
8. What is the difference between DNA and RNA (hint think strands and bases)?

**Video: Nucleic Acids**

1. What are the long chains of subunits that make up DNA called?
2. DNA is like the master set of \_\_\_\_\_\_\_\_\_\_\_\_ for the cells.

**Whole Class Review:**

**Nucleic Acids**

* Function:
* Monomers:
* Examples:

**\*If you finish early, check out all the cool features of the textbook…. Figure out how to highlight, write notes and have the book read itself to you! Can you figure out how to change the text size? What else can you do?!**