**Crash Course Video - DNA Structure and Replication**

1. Why is DNA important?
2. How many chromosomes in each cell?
3. Where are the chromosomes (and therefore DNA) found?
4. What type of macromolecule is DNA?
5. What is the monomer of nucleic acid called?
6. What are the 3 parts of the DNA nucleotide?

a. b. c.

1. What part of the nucleotide contains the coded information?
2. What are the DNA backbones made of?
3. How are the chains held together?
4. .What are the base pairing rules (what goes with what)?
5. What is the opposite strand for AGGTCCG? (Hint: use the base pairing rule)

1. What are 2 similarities between DNA and RNA?  
   a. b.
2. What are 3 differences between DNA and RNA?

a. b. c.

14. What are 4 enzymes involved in DNA replication?

1. How often is there a mistake in DNA replication?