Individual Assignment (although you may work in your groups):

- **Use carbonless for Question 1 (the model)**
- **Word process Questions 2-6 (you may work on this document also found in ANGEL)**

Objective: Apply your comprehension of genetics to a problem in a relatively new area of research called “epigenetics”.

**Reading 1: How cocaine scrambles genes in the brain (in Angel)**

Read the article and use the information to:

1. Create a box and arrow model that illustrates all possible interactions of cocaine with the protein G9a in the brain – on carbonless.
2. What is the major claim of this article?
3. Consider the source of this article – Time Magazine. What would you do to determine whether or not the evidence in the article is warranted (i.e., quality evidence)

**Reading 2: Why your DNA isn’t your destiny (in Angel)**

Read the article. Two research studies are reported. For each study:

4. What is the research question?
5. What are the results?
6. Are the results warranted? Why or why not?