Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

**Allergy & Autoimmune Disease Webquest**

*Part 1. Allergy*

Use Google to find the following:

1. In your own words, what is an allergy?
2. Where are the different places in the body that allergic reactions can occur? What types of allergens are they associated with?

1. Define the following terms:
   1. IgE molecules:
   2. Antigens:
   3. Allergens:

1. How does the immune system respond to an allergen? Be specific in your answer!
2. How are allergic reactions treated?

*Part II. Autoimmune Diseases*

Go to <http://www.nlm.nih.gov/medlineplus/ency/article/000816.htm> and read the article “Autoimmune Disorders”. Use the article to answer the questions below.

1. In your own words, what is an autoimmune disorder?
2. What are some of the reasons certain people may develop/have an autoimmune disease?
3. What are some of the effects autoimmune disorders have on the body? What types of cells are affected?
4. Click on three autoimmune disorder links and write the name of the disease and a one sentence description of what the disease is.
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:
5. What are some treatments that are commonly used to treat autoimmune diseases? What are some risks involved with these medicines?