**Part 2 - An Example: “Is caffeine addictive?”**

Directions: To investigate caffeine and neurotransmission you will:

1.) Visit the websites assigned in this webquest for Part 2. 2.) Complete the “Investigation Worksheet #3”.

**A.) What is caffeine?**

1.) Go to:

http://chemistry.about.com/od/moleculescompounds/a/caffeine.htm?terms=what+is+caffiene%3F

a.) Find the chemical structure of caffeine.

2.) Go to: http://faculty.washington.edu/chudler/caff.html a.) Read about the chemical compound that is caffeine.

**B.) Which foods and beverages contain caffeine?**

1.) Go to: http://faculty.washington.edu/chudler/caff.html a.) Look at the list of foods and beverages that contain caffeine.

**C.) How does caffeine affect neuron transmission?**

1.) Go to: http://faculty.washington.edu/chudler/caff.html a.) Read about how caffeine affects neurotransmission.

2.) Go to:

http://chemistry.about.com/od/moleculescompounds/a/caffeine.htm?terms=what+is+caffiene%3F

a.) Read about how caffeine affects the neurons.

3.) Go to:

http://www.hhmi.org/cgibin/askascientist/highlight.pl?kw=&file=answers%2Fneuroscience%2Fans

\_010.html

a.) Read about: how caffeine affects the synapse.



**D.) And what about chocolate...how does it affect neuron transmission in the brain?**

1.) Go to: http://faculty.washington.edu/chudler/choco.html a.) Read about how various chemical compounds in chocolate affect the way we feel!