**Science 7 – Assessment #1: The Scientific Process**.

Goal:

To assess your learning of the first theory unit of Science 7, “The Scientific Process”.

Method:

Following the directions, provide the correct answers to all of the questions.

You are expected to use the following resources to answer the questions;

 1. Your notes.

 2. Science textbook, pp 309 -311.

 3. The course website.

 4. Your classmates.

Once you have answered the questions, submit the completed worksheet for marking.

You will see this all again on an in-class test.

Marks are in (brackets) after each question.

Questions:

1. The first step in the scientific process is: . (1)

2. Name each of the three types of variables in a science experiment:

 a) . (1)

 b) . (1)

 c) . (1)

3. From your observations, you come up with a question. You turn that question in to a statement called a . (1)

4. In the following statement (see #3 above), UNDERLINE THE INDEPENDENT VARIABLE. (1)

 The higher the water temperature, the more sugar will dissolve in it.

5. In the following statement (see #3 above), UNDERLINE THE DEPENDENT VARIABLE. (1)

 When the climate is dry, there are more wasps.

6. From the following question, write your own hypothesis.

 If I practice serving, will I get the ball over the net more often?

a) Your hypothesis (a direct relationship!) (1):

 .

b) Underline the INDEPENDENT VARIABLE in your hypothesis. (1)

c) Circle the DEPENDENT VARIABLE in your hypothesis. (1)