# CHAPTER 1 – Learning activity – Scientific Method

The goals of this activity are to:

* Familiarize yourself with the steps of the scientific method
* Demonstrate understanding of the differences between hypothesis and prediction
* Understand the importance of a testable hypothesis

1. Download this worksheet and save it on your computer.
2. I gave you four experiments, each with the first two steps (observation & question (or problem)) of the scientific method. Your task is to add the next 5 steps for each experiment in the list below.
3. Watch the videos that will go through the steps of the scientific method. The videos can be found on D2L in the “Chptr 1 – assignment” module.
   * Khan Academy video – minute 1:20 to 8:52 – great video showing that the hypothesis has to be testable
   * Mod Microbe video – great video showing the difference between hypothesis and prediction.
4. Once you finish:
   * save the document then upload it under the “Assessments” then “Assignments” on D2L.

* **Experiment 1:** 
  + Observation: you have the following numbers 3,5,7,\_,\_,\_.
  + Question: What is the pattern between these numbers?

* **Experiment 2:**
  + Observation: your cellphone is missing.
  + Question: where is your cellphone?
* **Experiment 3:**
  + Observation: this summer there are no flowers in the garden.
  + Question: why there are no flowers since I plant them in the spring?
* **Experiment 4:**
  + Observation: The sun is made of particles.
  + Question: Are the particles in the Sun 1 inch long?

A picture containing text, clipart

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