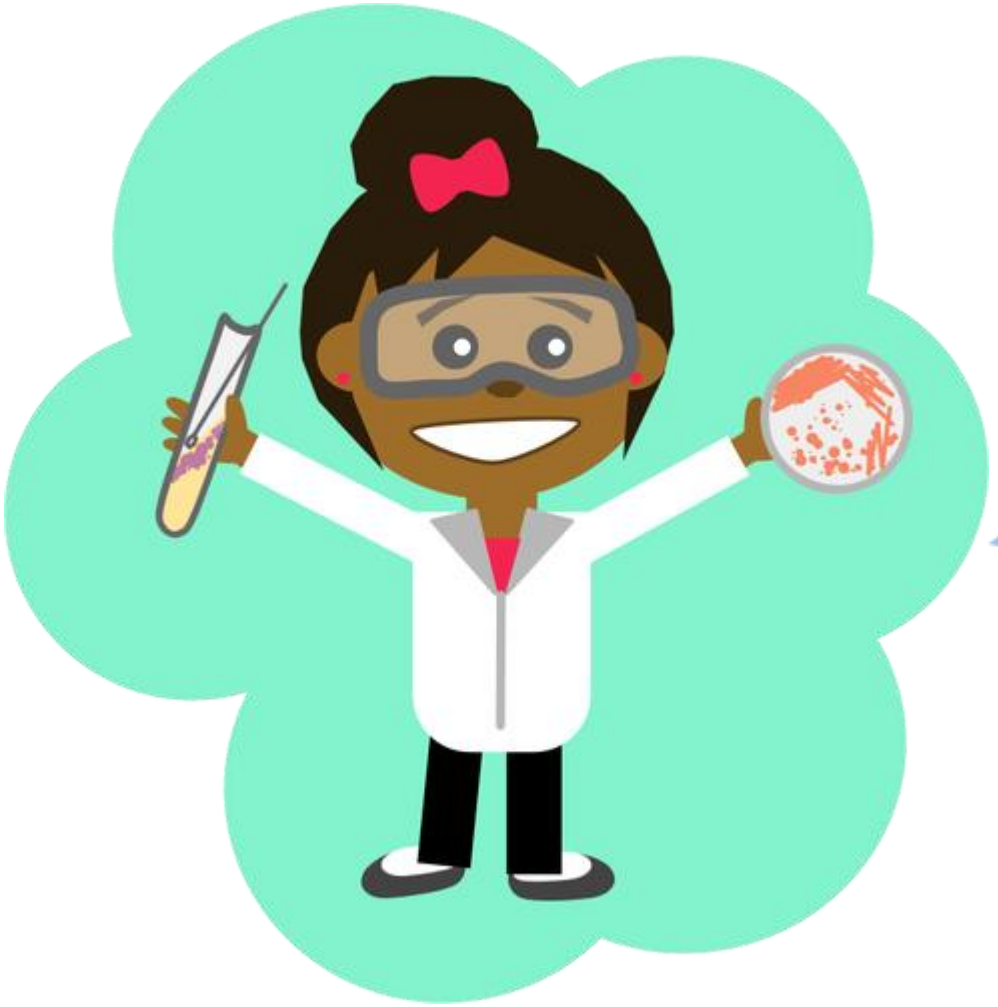
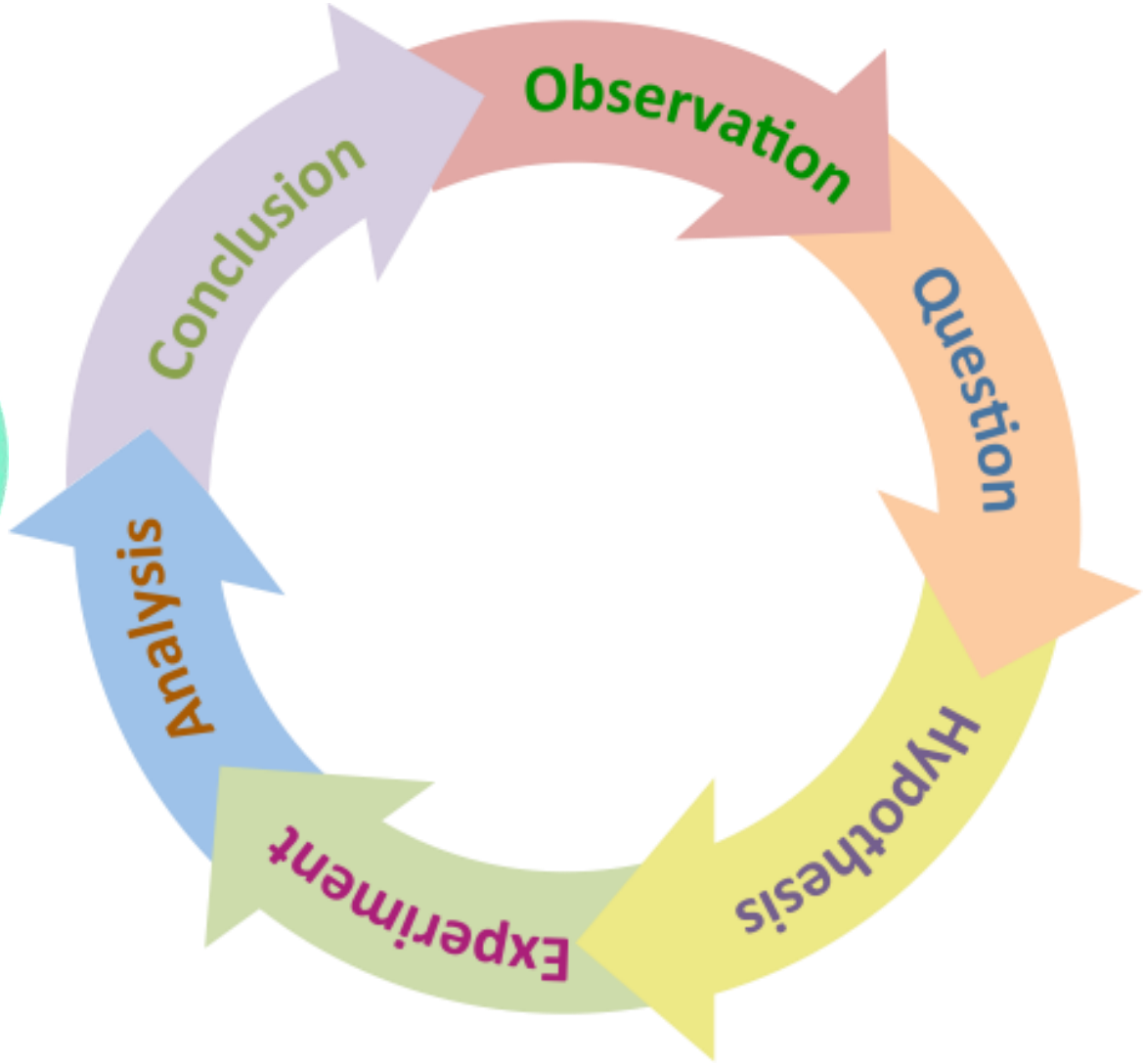
The Experiment: Will it Clog?





Prepare Your Tools

- Prepare your tools (You will need space to work - a table or counter in a space that it is safe to have water)
  - 1 Timer - set for 60 seconds (if you don't have a timer, you can time yourself by counting)
  - 3 drinking glasses - line them up (you can also use bowls, cups or jars)
  - 1 piece of toilet paper (2 squares)
  - 1 kleenex (or 1 cotton ball or a small piece of dental floss)
  - 1 disposable baby/face/hand wipe (or paper towel)
  - 2 cups of clean water
  - 1 spoon
  - 1 trash can
  - Pencil and paper or journal/iPad to take notes

Prep Your Space

1. Fill each glass with 1/3 of the water - equal parts in each cup
2. Line up your glasses
3. Add one item to each glass
4. Set your timer - each trial is **60 seconds**
5. **STOP when your “laboratory” is set up**

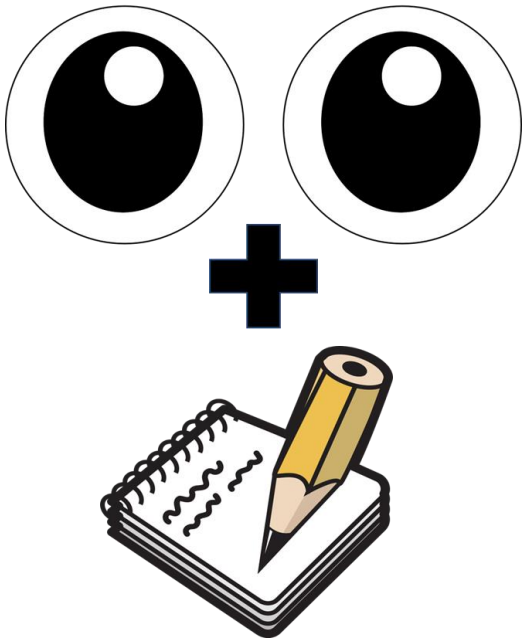
Before we perform the experiment! Let’s make a hypothesis!

"I predict _____ because _____.“

- Record your prediction in your journal/notebook.

Begin the Experiment

6. Start your clock and stir each cup (one at a time) for 60 seconds.
7. After each glass has been stirred for 60 seconds,
8. Observe what is happening in the water.
   - Is your item still in one piece?
   - Is it completely dissolved?
   - Are there smaller pieces floating around?
9. Write down your observations for each item.
10. After you have finished writing down your observations, stir each glass again for 30 more seconds.



Experiment Completion

11. After each glass has been stirred again, make your final observations. Has anything changed since the last trial?
12. Note any additional observations and analysis for each item.
13. Clean up!
    - There is only one glass that can be poured down the toilet.
    - Separate the other items from the water using your spoon or a strainer.
    - Throw the wet items in the trash.
    - Pour only water down the sink.
    - Wash glasses, put away all your tools and wipe down any wet counters.
14. Write your conclusion for each item in your journal.
15. Was your hypothesis correct?