

**Science** - a branch of knowledge requiring systematic study and method, dealing with substances, life and natural laws.

**Scientist** - an expert in a science

## Scientific Method for Investigations

**Scientists try to find patterns in things and look for explanations for the pattern. The scientific method is a way of approaching and solving a problem, or answering a question.**

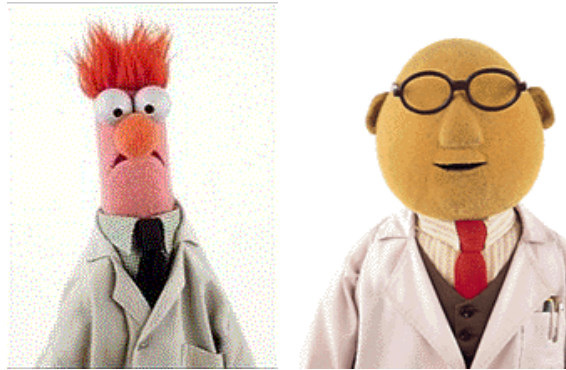


**Here's the recipe.**

- **Ask a question.**
  - **Gather information.**
  - **Form a hypothesis, propose a solution.**
  - **Test the proposed solution.**
  - **Evaluate the data. Is the hypothesis correct? Does it make sense?**
  - **Report results. Let others know.**
- Make changes. Propose a better solution.**



**If your methods make sense, then others may accept your hypothesis as a theory. If not, then your hypothesis may be rejected. There is always the possibility that new observations or new information will disprove a long-standing theory.**



## Homework

- Name of muppet characters
- Name of 4 types of scientists and what they study

