

THE SCIENTIFIC METHOD

The 6 Steps of the Scientific Method

1. Ask a Question

What do you want to know? Be curious!

2. Do Background Research

Find out what you already know. Look in books, ask a teacher, or research safely online.

3. Make a Hypothesis

Make a smart guess about what will happen. Start with "I think..."

4. Test with an Experiment

Do your experiment and observe carefully. What do you see? What changes? You can draw pictures or write down what you see.

5. Analyze the Data

Look at your results. What happened? Write or draw it out. What did you learn? Was your hypothesis correct?

6. Share Your Results

Tell someone what you discovered! Write it, draw it, or present it.

Try it yourself by building a Density Column and filling out the worksheet!

MATERIALS

- Honey
- Dish soap
- Water (colour it if you'd like)
- Vegetable oil
- Rubbing alcohol (colour it too!)
- Clear jar or cup

PROCEDURE

Fill out the next page as you create your Density Column by following the 7 Steps of the Scientific Method.

Carefully pour each liquid into the container

Observe what happens as they stack.

Analyze your data and share your results!

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My Scientific Method Experiment

1. My Question:



2. My Research:



3. My Hypothesis:

I think _____

4. My Experiment (what I did):

5. My Data (what I saw):

6. My Conclusion:

I learned _____

7. Sharing My Results:

I will share by _____

Great job, Explorer! You used the Scientific Method just like Clayton!

