

The Scientific Method

♪A Way to Solve a Problem♪

Name _____

Date _____

Block _____

What is the Scientific Method?

- It is the steps someone takes to identify a _____, develop a _____, design and carry out _____ or _____ to test the hypothesis, and document _____ and findings to share with someone else.
- In other words, it's a way to _____
 - Scientists develop a _____, gather information and form an _____.
 - The next step scientists take is to create and conduct an _____ to test their hypothesis.

A key to experiments is _____ what happens and writing it down (recording data).

- Gathering information or data and documenting it so it is _____ and _____ to others is really important.

Once a scientist completes an experiment, they often _____ it to see if they get the same findings and results.

- This is really what we call _____, or checking things out to make sure everything was valid and will happen again and again.

-Lastly, Scientists make a ' _____ '

- This is where after all the data is organized and analyzed, the scientist will make a _____ to say what they learned - what the data told them.
- The conclusion may or may not _____ the hypothesis - both are valid results.
 - Scientists share their experiments and findings with others - _____.
- Because they share their experiments and findings, scientists can _____ and often use someone else's _____ to help them with what they are studying or doing.

The steps of the Scientific Method are:

- **Form A** _____
- **Research**
- **Form a** _____
- **Design an** _____
- **Collect** _____
- _____ and _____ **Data**
- **Make a** _____