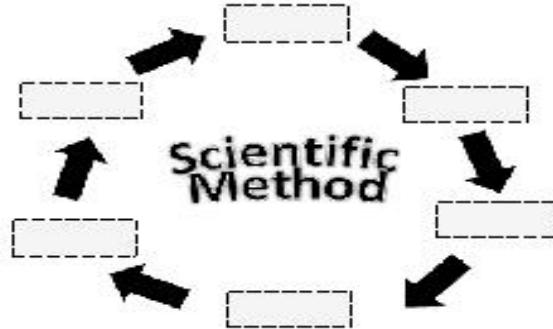


## Scientific Method

The Scientific Method is a process scientists use to ask questions and find answers by collecting and analyzing evidence.

Draw the graphic organizer below in your notebook.

Put out the terms and descriptions, then sort and glue them to the diagram.



Conclusion	If ___ then ___ because ___	Accurate & reliable internet sites (.edu, .gov, .org)	Independent variable – factor that is purposely changed
Hypothesis	Newspapers, magazines, library books	Variables (IV, DV, Control)	Dependent variable – factor that changes in response to the independent variable
Data	Needs to be testable	Record observations	Control – only 1 variable is changed at a time
Experiment	Does the data support or fail to support the hypothesis?	Diagrams, graphs, data tables, models	
Research	Communicate using a scientific explanation	Repeated trials	
Problem			

After completing the activity, answer these questions in your notebook.

1. Create a problem and describe how the Scientific Method can be used to help solve it.
2. Can you think of a branch of science that might not use the Scientific Method?