

Fill in the Blanks

Fill in the blanks with the appropriate words from the vocabulary list.



scientific method: a method of doing research that includes the steps of identifying a problem, gathering data, forming a hypothesis, testing a hypothesis, and drawing a conclusion

question: the inquiry or problem relating to a topic that can be answered by conducting an experiment

experiment: a test or trial performed in order to discover something

hypothesis: an educated guess or reasonable assumption

procedure: a sequence of steps involved in performing an experiment

observe: to notice what occurs during an experiment

record: to write accurate information about what occurs during an experiment

interpret: to explain or give meaning to

conclusion: the result or outcome of something

variable: something that can change or influence the results of an experiment

ethical: following the rules of being fair and honest

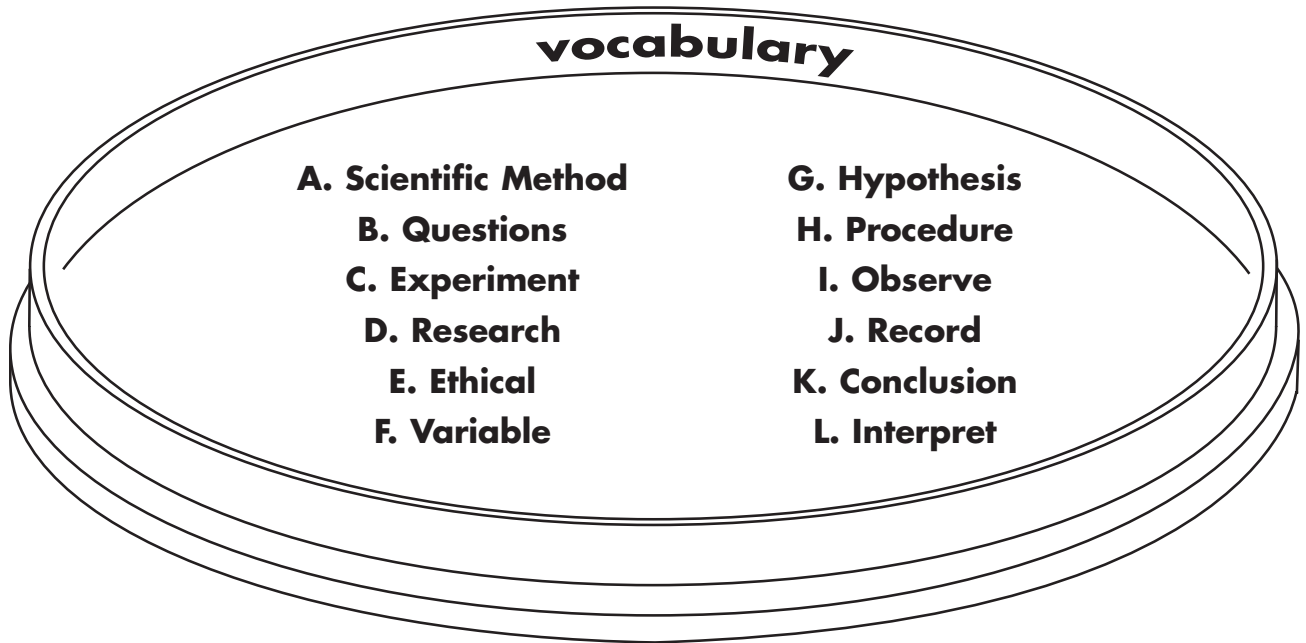
research: to conduct an investigation into current information about something

The _____ method is one way that people think about and solve questions or problems. When you begin your experiment, it is important to state a problem or _____ that you would like to find an answer to. It is important to look up or _____ up-to-date information about your topic before you conduct any experiments. A(n) _____ is a possible explanation about something. To conduct a(n) _____ is a good way to discover something new about science. Be sure to write down each step or _____ in the correct order before you start your science experiment. When you conduct an experiment and you deliberately change one thing, you are introducing a(n) _____. It is critical to watch or _____ what is happening with every step of your experiment. After you conduct your experiment, a valuable step is to write down or _____ what happened. When you explain what happened in your experiment, you _____ the results. Sharing true information about the outcome of your experiment is an example of _____ behavior. After an experiment, it is important to write down your _____ or summary of what you learned.



Vocabulary Match!

Match the vocabulary words in the petri dish to their definitions below. Write the letter in the blank space next to the definition.



1. _____ To explain or give meaning to
2. _____ Something that can change or influence the results of an experiment
3. _____ To notice what occurs during an experiment
4. _____ The inquiry or problem relating to a topic that can be answered by conducting an experiment
5. _____ A method of doing research that includes the steps of identifying a problem, gathering data, forming a hypothesis, testing a hypothesis, and drawing a conclusion
6. _____ Following the rules of being fair and honest
7. _____ An educated guess or reasonable assumption
8. _____ To conduct an investigation into current information about something
9. _____ A test or trial performed in order to discover something
10. _____ The result or outcome of something
11. _____ To write accurate information about what occurs during an experiment
12. _____ A sequence of steps involved in performing an experiment