

Scientific Method SJ

Name: _____

Date: _____

1. What is a hypothesis?
 - A. an experiment
 - B. a conclusion
 - C. a prediction
 - D. a variable
2. How do scientists form a hypothesis?
 - A. by drawing conclusions from their data
 - B. by asking questions about their observations
 - C. by designing experiments
 - D. by writing down everything they see
3. Once they form a hypothesis, what do scientists do next?
 - A. design experiments to test their hypothesis
 - B. draw conclusions based on their predictions
 - C. compare their hypothesis to other scientists'
 - D. ask the question, "Why?"
4. What does it mean to control variables in an experiment?
 - A. to use different colored objects for all of the parts of an experiment
 - B. to take complete notes about everything you observe in the experiment
 - C. to not touch anything once you set up the parts of an experiment
 - D. to keep as many things the same as possible across the parts of an experiment
5. What do scientists do when they run an experiment?
 - A. walk away from the experiment
 - B. write down their observations
 - C. change parts of the experiment
 - D. develop a hypothesis