

Scientific Method

Worksheet

Complete the sentences by filling in the blanks with appropriate terms related to the scientific method

1. A _____ is a detailed series of steps that a scientist follows to conduct an experiment.
2. _____ data refer to numbers obtained through measurement, whereas _____ data involve descriptions that cannot be easily measured.
3. When analyzing data, scientists look for _____ between the independent and dependent variables to understand the effects.
4. After an experiment, scientists write a _____, which interprets the data and may lead to further questions or investigations.

What hypothesis would you propose based on this scenario? Describe the independent and dependent variables in your study.