

# SCIENTIFIC METHOD WORKSHEET

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

Indicate whether each statement is true or false, correcting the false statements

1) The scientific method starts with drawing a conclusion based on personal beliefs.

2) A good hypothesis must be testable and falsifiable.

3) The control group should be exposed to the experimental variable to measure its effect accurately.

4) Observations can be qualitative, such as descriptions of changes, or quantitative, like measurements in numbers.