

Name _____

The Significance of Data and Observation

Short-Answer Questions

1. Explain why data collection in science aims to be objective and free from personal biases.
2. Provide an example of a scientific experiment that involves precise measurements as a method of data collection.
3. How do observations serve as records of events or patterns over time, and why is this important in scientific research?
4. Describe the role of participant observation in scientific research, and provide an example of a field where this method is commonly used.
5. Can you think of a real-life situation where understanding data collection and observation could help make a decision or solve a problem? Describe the situation and the role of these skills.

