

Chapter Test

1 The Science of Biology

Multiple Choice

Write the letter that best answers the question or completes the statement on the line provided.

- _____ 1. Testing hypotheses often involves designing experiments. Which of the following is the factor that is observed and measured in an experiment?
- control group
 - experimental group
 - dependent variable
 - independent variable
- _____ 2. Dr. Smith reads two research papers that present different conclusions about the same question. He knows the researcher who wrote Paper A, but does not know the authors of Paper B. When asked which paper he thinks has more merit, Dr. Smith replies, "Paper A." Because of Dr. Smith's personal connection to some of the researchers, he could be exhibiting
- bias.
 - inference.
 - observation.
 - skepticism.
- _____ 3. Jane Goodall spent years with the chimpanzees of Gombe. Sitting quietly for hours, she watched the animals closely and took notes about their behavior. What was Jane Goodall doing?
- testing variables
 - watching a control group
 - making observations
 - applying a stimulus
- _____ 4. After her run, Aisha felt thirsty. Thirst was her body's way of telling her she needed more water to maintain
- growth.
 - metabolism.
 - development.
 - homeostasis.

Chapter 19 Test Biology

**Kenneth Raymond Miller, Prentice Hall
(School Division)**



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