

KEY

Guided Reading Activity 2-2

Problems and Solutions in Research

For use with textbook pages 42-45

Directions: Outlining Locate the heading in your textbook. Then use the information under the heading to help you write each answer.

I. Problems and Solutions in Research

A. Introduction

1. The woman who believed Friday the 13th was a hex, expected to die on the 13th and acted upon that expectation. What explains her behavior? self-fulfilling prophecy
2. In everyday life, how do we convey our expectations to others? body language cues such as raising eyebrows or nodding

You're stupid!
↓
believe it

B. Avoiding a Self-Fulfilling Prophecy

1. What are the two types of techniques that can be used to avoid influencing the participants in an experiment? single-blind experiment - (participant blind)
double-blind experiment - (participant/experim blind)
2. To study the effectiveness of a drug, one group of participants receives the drug. What does the other group receive? placebo
3. What does a double-blind experiment eliminate? researcher bias

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C. Psychological Experiments

1. Why was Stanley Milgram's experiment a single-blind experiment? volunteers did not know that shocks were not issued, Milgram did
2. What criticisms were raised about Milgram's experiment? unethical
3. What do researchers call changes in a patient's physical condition due to the patient's knowledge or perception about a treatment? placebo effect
4. Why did large numbers of the experimental group report benefits from new drugs when they had actually received a placebo? participants reacted to their expectations about the benefit of the drug (placebo effect)

Space Jam

Ghostbusters