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VIDEO GUIDE · UNIT 0 · TOPIC 0.2

From Idea to Hypothesis

Watch the lesson

Name _____ Class _____ Date _____

NOTES: FILL IN THE BLANKS WHILE YOU WATCH

1. Every study starts with a question, which researchers turn into a _____: a testable prediction about what they expect to find.
2. A scientific hypothesis must be _____: there must be possible evidence that could show it is incorrect.
3. An _____ states exactly how a variable will be measured, such as anxiety as a score on a standardized questionnaire.
4. Clear operational definitions let others repeat the procedure. _____ means repeating a study to see whether similar results are found.

CHECK YOUR UNDERSTANDING

1. Which hypothesis is stated in the most testable way?

(A) Some people have hidden talents no test can detect

(B) Everything happens for a reason

(C) Students who sleep 8+ hours will score higher on a memory test than students who sleep under 6

(D) Dreams carry messages only the dreamer understands

2. Which is the best operational definition of "sleep quality" for a study?

(A) How rested a person feels

(B) Getting good sleep most nights

(C) The number of times a sleep tracker records the person waking during the night

(D) Sleeping peacefully without disturbances

3. A lab in Japan follows the exact procedures of a U.S. study on stress and memory to see if it gets similar results. This is:

(A) Peer review

(B) Operational definition

(C) Falsification

(D) Replication

NOTES

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