

## INTRODUCTION: PSYCHOLOGY AS SCIENCE

### Assignment

Beins, Chapters 1

### Terms you should know.

#### Approaches to knowledge

Authority .....

Intuition .....

Tradition .....

Rationalism .....

Empiricism .....

#### Working assumptions of science

Rationality .....

Regularity .....

Discoverability .....

Determinism .....

Pseudoexplanation .....  
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Goals of Research

Description .....  
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Explanation .....  
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Prediction .....  
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Control .....  
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Theories

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Falsifiability .....  
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Replicable .....  
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Hypotheses

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Testable .....  
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Research Hypothesis .....  
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Statistical Hypothesis .....  
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Logical Hypotheses

Null Hypothesis .....  
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Alternative Hypothesis .....  
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Internal Validity .....  
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External Validity .....  
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**Concepts you should master.**

1. Is there only one way to go about developing knowledge?
2. Describe the strengths and weaknesses of authority, rationality, intuition, and empiricism as ways of knowing about behavior.
3. Is it possible to have a research study that is high in both internal and external validity? Why or why not?
4. Why is it important to have theories and hypotheses that are testable?
5. Why is it important to have theories and hypotheses that are falsifiable?

