



## Companion Quiz for *Instructors' Guide to Teaching Research*

Name: \_\_\_\_\_

Course: \_\_\_\_\_

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Which of the following terms is defined as an influence or prejudice in a particular direction which may pose a threat to objectivity of a study?
  - a. Bias
  - b. Control Group
  - c. Sham
  - d. Validity
  
2. Which of the following terms is a scale in which a patient or subject in a study indicates a level of agreement with statements that are arranged in order from more to less strong or vice versa?
  - a. Likert scale
  - b. Anecdotal evidence
  - c. Visual Analog scale
  - d. P-value
  - e. \_\_\_\_\_
  
3. \_\_\_\_\_ is defined as a judgment of how well a study reflects reality.
  - a. Reliability
  - b. Internal validity
  - c. External validity
  - d. Visual analog
  
4. Which of the following types of studies would be research done in a controlled laboratory to examine molecular changes in tissues?
  - a. Basic research
  - b. Descriptive study
  - c. Field study
  - d. Observational study
  
5. Which type of research uses specific, precise measurements such as temperature, angles, or units of time?
  - a. Qualitative research
  - b. Quantitative research
  - c. Subjective information
  - d. Translational research
  
6. Using the research pyramid, which type of research study offers the greatest strength in evidence?
  - a. Meta-analysis
  - b. Pilot study
  - c. Case report
  - d. Anecdote
  
7. Which portion of a research study outlines the procedures of data collection and population selection?
  - a. Introduction
  - b. Methods
  - c. Results



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d. Conclusion

### **Critical Thinking Questions**

*In this section, you will write a brief paragraph to answer each question.*

8. Explain how a massage therapist or bodywork practitioner could access research studies.

9. Describe the importance of identifying strengths and weaknesses in a research study. What are some common strengths and weaknesses of massage therapy research studies?

10. If you were able to design a research study for massage therapy what would the research study entail? Describe the population, data collection, measurements and parameters that you would use.