

Office of Learning Services
Critical Thinking Certification
Scientific Thinking Quiz

Name: _____ **Date:** _____ **M#:** _____

1. Scientific thinking is a mode of thinking that seeks to quantify, explain and _____

2. Scientific thinking is :
 - a. Self-directed
 - b. Self-disciplined
 - c. Self-monitored
 - d. All of the above

3. Which of the following is not a type of causality
 - a. Linear
 - b. Circular
 - c. Chain Reaction
 - d. Transaction

4. _____ System requires evidence and reasoning within established scientific system

5. True or false, in conflicting systems, the systems CAN be verified
 - a. True
 - b. False

6. In a few words, what are scientific macro-abilities?

7. True or false: Scientific macro-abilities are used to clarify scientific issues, claims and ideas
 - a. True
 - b. False

8. In order to _____ scientific reasoning you need to discuss all implications that result from reasoning

9. Which one is an example of pseudo-scientific thinking
- a. "it is true because I believe it"
 - b. "It is true because we all believe it"
 - c. "It is true because I want to believe it."
 - d. All of the above
10. "You should question information presented to you and determine if further experiments may produce different results."
- a. True
 - b. False