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