

Name _____

Study Guide - The Scientific Process

1. Study the definitions from your flashcards. Be able to match the definitions to the words.

classify	to arrange or organize things
collaborate	to work with others in a cooperative way for a common goal
compare	to discover similarities / differences
conclusion	a decision based on facts you discovered
data	facts and information
experiment	a test to discover something unknown
hypothesis	a thoughtful guess to a question
observe	to see, smell, listen, taste and/or touch something to learn about it
predict	to tell what will happen in the future
research	a careful study that is done to find new information
problem	a question needing to be answered
Results	a consequence, effect, or outcome of something

2. Write the steps for the scientific inquiry process
 1. Observations
 2. Problem
 3. Research
 4. Hypothesis
 5. Experiment
 6. Results
 7. Conclusion
3. Write the 6 science safety rules
 1. Hands off! Do not touch anything in the lab without permission.
 2. Wear safety equipment. Use science materials safely.
 3. Read and follow instructions carefully.
 4. Report any spills or injuries to the teacher immediately.
 5. No food or drinks in the lab!
 6. Keep the lab clean.