

Name _____

Study Guide - The Scientific Habits of Mind

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

classify	to _____ or _____ things
collaborate	to _____ with others in a _____ way for a common goal
compare	to discover _____ and/or _____
conclusion	a _____ based on _____ you discovered
data	_____ and _____
experiment	a _____ to discover something _____
hypothesis	a _____ prediction
observation	to _____, _____, _____, _____ and/or _____ something to learn about it
predict	to tell what will happen in the _____
research	a careful _____ that is done to find _____
problem	a _____ needing to be _____
results	a _____, effect, or _____ of something that happened

2. Write the steps for the scientific inquiry process

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

3. Write the 6 science safety rules.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Name _____

Study Guide - The Scientific Process

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 testable prediction
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 that happened

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