

Name: _____

Per: _____

Date: _____

Scientific Foundations Study Guide

Scientific Method

1. What are the steps of the scientific method?
2. Define dependent and independent variable.
3. What is a control?
4. What is the difference between an observation and an inference?
5. What are models based on?
6. How does something become a theory? A law?

Numbers

1. p. 871: #1, 4ab, 5ab, 6acdh, 7, 9

2. p. 872: #11ad, 12ab, 13, 14cdef, 15bcde

Matter

1. Draw a flow chart (like the one in your homework) showing how different types of matter is classified.

2. Define diatomic elements. What are they?
3. List the types of evidence of a chemical change.
4. List the ways that matter can be separated and state what physical or chemical property is involved in each one.

5. p. 60#2, p. 69 #17, p. 82 #37, 47

