

Name _____
Science _____

Date _____
Scientific Method WS

Directions: Use the following terms to complete the concept map below.

record & analyze your data
form & state a conclusion
gather info on the problem
test your hypothesis by experimentation

state the problem
form a hypothesis
repeat the work to verify results

Scientific Method

1.

2.

3.

4.

5.

6.

7.

Key Terms

Directions: Unscramble the terms in italics to complete the sentences below. Write the terms on the lines provided.

- _____ 1. Using your senses to gather bits of information is called *esratvoobin*.
- _____ 2. The process of understanding the world around you is *senicce*.
- _____ 3. Using knowledge gained through science to make products or tools people can use is *goolynecht*.
- _____ 4. A statement that can be tested is a *sihotspyhe*.
- _____ 5. The step-by-step procedure to solve a problem is called a *ciecifstni dothme*.
- _____ 6. A conclusion about an observation is an *ifreneenc*.
- _____ 7. A standard used for comparison is the *troncol*.

Our text only tells about experiments with 1 kind of variable. In many higher level experiments there can be 2 variables.

Directions: Write the letter of the definition on the line provided that matches the term.

- | | |
|-------------------------------|---|
| _____ 1. Independent variable | a. The factor being measured in an experiment. |
| _____ 2. Constant | b. The one factor you change in an experiment. |
| _____ 3. Dependent variable | c. The factor that stays the same in an experiment. |