Name:_____

Homework 1 Date: _____

1. What are the three branches of science?

1._____
2._____
3. _____

2. Categorized the following branches of science

a. Biology -_____
b. Physics -_____
c. Chemistry -_____
d. Botany -_____
e. Zoology -_____

3. Match scientific method process with its definition.

a.	Hypothesis	(i)		The statement that explains how the experimental data does or does not support the hypothesis
b.	Observation	(ii)		Tests hypothesis and gathers data
c.	Problem	(iii)		Possible answer to the problem
d.	Conclusion	(iv)		Item being investigated
e.	Experiment	(v)		Using the five senses to gather information

4. Why are experiments important?

_____

5. What is the difference between the control group and the experimental group?

_____

6. What is the purpose of the control group?

_____

7. Write the number next to the following to indicate the order it would appear on an experiment report.

	Method
	Aim
	Conclusion
	Results
	Title
	Materials

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8. How do science and technology relate to each other?

_____

9. Write the term for the following definitions.

	a. the study of objects of nature and of what happens to those objects.
	b. the process of sharing ideas and information with other people.
	c. a special step-by-step way in which scientists gather information, test ideas and solve problems.
	d. the study of the anatomy (structure), physiology (function) and hygiene (principles governing health) of the human body.
	e. the study of living things
	f. the study of weather systems
	g. the study of outer space
	h. using one or more of our five senses to gather information.

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