How to Write the Review of Literature Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(5 or 6 paragraphs are required)

The Introduction:

This section introduces the topic you are researching. Create a strong lead sentence that explains your purpose. Include the branch of science that this topic would be studied under. Research the history of this branch of science and include at least one scientist and his/her contribution that added to the body of knowledge in this branch of science If the topic you have chosen is part of a current event or story, that has been the subject of a recently issued magazine story, or has been the basis of a previous scientist’s research project, be sure to report about it.

The Body:

Use this section to state your purpose. Be sure to identify the manipulate variable (and all its forms) and include everything learned about the manipulate variable (what you changed).

Explain what the responding variable will be and how it will be measured. Which units will be used and why are these units appropriate to use to gather this data?

If the research involves any specialized equipment be sure to discuss fully all the information that is known about the equipment. Similarly, if the research involves any chemicals, visit an MSDS web site and provide information about the safe use of these chemicals.

Explain any of the processes, forces and/or energies that will be involved in making the experiment work.

Be sure to use any specialized terms and include definitions of all terms.

For some projects it may be appropriate to research the units or explain the criteria for assessing the work (operational definition) that will be used to do the measurements. Remember: Write about what you CAN find information about!

Closing Paragraphs:

This section should state the hypothesis. Include any prior knowledge that you have or facts/details that the Review of Literature may have given you that leads you to believe in your hypothesis. Write a paragraph that gives your opinion as to why this topic is important for others

to know about. Support your opinion with facts from your research.

**Use the following outline to form your Research:**

Outline for Review of Literature

I. Introduction – 1st Paragraph (present you scientific problem)

A. Introduce your problem and explain it

B. Explain the Branch of Science your problem deals with.

C. Describe a Famous Scientist or Scientists from that branch of science

II. Body – 3 Paragraphs (the purpose of your project)

A. What you are changing and how

1.Describe your Manipulated (Independent) Variable.

2.Explain the different ways this variable will be changed.

3. Explain how you will control this variable and make sure it is the only thing that is being changed.

B. Explain what you will be look for to show a change.

1. Describe your Responding (Dependent) Variable.

2. Explain the different ways this variable might change.

3. Explain what you will measure to show the change and which appropriate units will be used.

C. Describe the Process/Law/ or Energy being investigated

1. Identify the Law/Process/or Energy that will produce the changes in your experiment.

2. Use these sentences to explain in detail the physics or chemistry that creates these changes in matter.

III. Closing Statements (1 or 2 paragraphs)

A. State your hypothesis

B. Include at least 2 facts from your research that support your hypothesis and give it validity.

C. Opinion statements – explain why you think your research and experiment are important to know about. Support this opinion with FACTS from your research.