*This is a study guide to help you to organize your notes based on the Objectives for this Module. This is not graded and is provided only as a study aid. To use it, fill in the table. Box 1 will ask you to redefine the terms or explain the concept. Box 2 will ask you to provide information about where you can find this information. Provide enough information in this box for you to be able to use this box as a reference to finding the information again. Box 3 will ask you to give an example or try to apply the concept to a new situation.*

**Reinforce your understanding of Science as a limited way of knowing.**

<table>
<tr><td>From memory, try to right down the five assumptions of the Scientific Method.</td><td>What limitations are associated with each assumption?</td></tr>
<tr><td>Assumption 1:<br><br>Assumption 2:<br><br>Assumption 3:<br><br>Assumption 4:<br><br>Assumption 5:<br><br>1</td><td>2</td></tr>
<tr><td colspan="2">Define Scientific Theory.</td></tr>
<tr><td colspan="2">3</td></tr>
</table>

**Understand the ideas that are knowable through Science and apply the Scientific Method.**

| List ideas that are not knowable through the scientific method. Why aren't they? | Where is this information located? | How are scientific ideas created? What is the process of peer-review? |
|---|---|---|
| 1 | 2 | 3 |

**Understand Philosophy, Theology, and Political Science as ways of knowing.**

| Define the discipline and explain how it comes to know. | Where is this information located? | How are these different from Science and the Scientific Method? |
|---|---|---|
| Philosophy<br>1 | 2 | 3 |
| Theology | | What is Religion? |
| Political Science | | What is Politics? |
| Give Examples of when these have interesected with Science and what happened in those cases. | | |
| | | |

**Explain Evolution and Intelligent Design (Creationism) and how each idea was formed.**

| Explain each and how the idea was formed. | Where is this information located? | What discipline created each idea? |
|---|---|---|
| Evolution<br><br>1<br><br>Intelligent Design | 2 | 3 |

**Explain why each is a valid idea and why Intelligent Design is not a scientific idea.**

| Is each a theory? Why or why not? And according to which discipline? | Where is this information located? | Can ID ever become a scientific idea? |
|---|---|---|
| 1 | 2 | 3 |

**Define Climate Change and the political debate.**

| What is Climate Change? | Where is this information located? | What is the cause of the political debate about climate change? |
|---|---|---|
| 1 | 2 | 3 |

**Apply the Precautionary Principle.**

| Define the Precautionary Principle. | List the four studies in the Pigs in Politics Example | When would you have chosen to do something about the problem? | Where is this information located? |
|---|---|---|---|
| | 1 | | 2 |