**Section 1.2 What is Science? Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **What \_\_\_\_\_\_\_\_\_\_\_\_\_ Is and Is Not**
* **Science is \_\_\_\_\_\_\_\_ just a \_\_\_\_\_\_\_\_\_\_\_\_\_ of “\_\_\_\_\_\_\_.”**
* **Science as a \_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Science is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ way of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ evidence about the \_\_\_\_\_\_\_\_\_ world.**

**The Goals of Science**

1. **Provide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ explanations for events in the \_\_\_\_\_\_\_\_\_\_\_ world.**
2. **Help \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ patterns in \_\_\_\_\_\_\_\_\_\_\_\_ and to \_\_\_\_\_\_\_\_\_ useful \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ about natural events.**

* **Much of Nature \_\_\_\_\_\_\_\_\_\_\_\_\_ a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Science is constantly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and continuing to \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Scientific Method**

**The Scientific Method**

1. **\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ----develop a question or problem to solve.**
2. **Form a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ----- a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ explanation for a question or problem that can be \_\_\_\_\_\_\_\_\_\_\_\_.**
3. **Design an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ----- step by step \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
4. **Collect and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Data**
   1. **Two Types of data:**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ data is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ obtained by \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
6. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ data are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and characteristics.**
7. **Drawing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ---- after the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, conclusions are drawn and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is supported or \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

* **IF the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is supported, the \_\_\_\_\_\_\_\_\_\_\_\_ are published. IF it’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, reform the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and retest.**