**Geyser Tube – Lab write up to hand in: Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Block: \_\_\_\_\_\_\_\_\_**

With reference to your “The Great Geyser Experiment” worksheet and the procedure that you wrote as a group, type (neatly write) up a summary of your lab experience. You will hand this at the beginning of next class – **Monday, September 21st, 2015.**

**Please include:**

1. Your hypothesis
2. Procedure (method) – updated (the steps you followed today) and complete [must be in your own words – not copied from a friend/partner]
3. Data table – columns labelled and all data included

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| **Criterion B: Inquiring and Designing** | | | |
| **Beginning (1-2)** | **Developing (3-4)** | **Accomplished (5-6)** | **Exemplary (7-8)** |
| *I am able to:*  **outline** a testable hypothesis  **design** a method, **with limited success.** | *I am able to:*  **formulate** a testable hypothesis **using scientific reasoning**  design a **safe method** in which he or she **selects materials and equipment**. | *I am able to:*  **formulate and explain** a testable hypothesis **using scientific reasoning**  design a **complete and safe method** in which I select **appropriate materials and equipment**. | *I am able to:*  **formulate and explain** a testable hypothesis **using correct scientific reasoning**  **design** a **logical, complete and safe method** in which I **select appropriate materials and equipment**. |

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| **Criterion C: Processing and Evaluating** | | | |
| **Beginning (1-2)** | **Developing (3-4)** | **Accomplished (5-6)** | **Exemplary (7-8)** |
| *I am able to:*  **collect and present** data in numerical and/or visual forms  **interpret** data  **state** the validity of a hypothesis based on the outcome of a scientific investigation  **state** the validity of the method based on the outcome of a scientific investigation  **state** improvements or extensions to the method. | *I am able to:*  **correctly collect and present** data in numerical and/or visual forms  **accurately interpret** data and **explain** results  **outline** the validity of a hypothesis based on the outcome of a scientific investigation  **outline** the validity of the method based on the outcome of a scientific investigation  **outline** improvements or extensions to the method that would benefit the scientific investigation. | *I am able to:*  **correctly collect, organize and present** data in numerical and/or visual forms  **accurately interpret** data and **explain** results **using scientific reasoning**  **discuss** the validity of a hypothesis based on the outcome of a scientific investigation  **discuss** the validity of the method based on the outcome of a scientific investigation  **describe** improvements or extensions to the method that would benefit the scientific investigation. | *I am able to:*  **correctly collect, organize, transform and present** data in numerical and/ or visual forms  **accurately interpret** data and **explain** results **using correct scientific reasoning**  **evaluate** the validity of a hypothesis based on the outcome of a scientific investigation  **evaluate** the validity of the method based on the outcome of a scientific investigation  **explain** improvements or extensions to the method that would benefit the scientific investigation. |

1. Conclusion questions – full sentences [must be in your own words – not copied from a friend/partner]