**Name:**

 **Section: 5 OR 6 A B C**

 **Date:**

 **Points Earned:**

**Divided by**

 **Points Possible:**

**Equals**

 **Percent: %**

**LABS**

**Scientific Method… (5 pts)**

**WORD BANK**

Conclusion

Problem

Hypothesis

Procedure/Materials

Observation

1. What are you trying to find out?
2. What do you think the answer is and WHY?
3. Write a step by step procedure (directions) as to how to do the experiment. This section includes the materials you will be using during your experiment.
4. This often includes a data chart, graph and narrative comments (a summary of what you saw).
5. Summarize the observations. Include what the problem was, what you thought the answer was and what your data showed. (Do you support or reject your hypothesis why or why not?)
6. What is the minimum number of times you should run an experiment? Why? (2 pts)

**FEATURES OF NON-FICTION**

List 10 features of non-fiction and describe their purpose for 5 of them. (15 pts)

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

**GRAPHS…**

Identify 3 graphs we commonly use. Then describe/define why we use them (what is their purpose). (6 pts)

1.

1.

1.

**DATA ANALYSIS**

1. Using the data chart below, determine and create the appropriate graph(s). (8 pts)

|  |
| --- |
| **PHOTOSYNTHESIS IN WATER PLANTS** |
| BEAKER NUMBER | DISTANCE FROM LIGHT (CM) | BUBBLES PER MINUTE |
| 1 | 10 | 45 |
| 2 | 30 | 30 |
| 3 | 50 | 19 |
| 4 | 70 | 6 |
| 5 | 100 | 1 |

You will be graded on…

 Graph Choice

 Title

 Label(s)

 Scale

**DATA ANALYSIS**

1. Using the data chart below, determine and create the appropriate graph(s). (16 pts)

|  |
| --- |
| **Large Bag of M&M’s** |
| M&M COLOR | NUMBER IN A BAG | PERCENT IN BAG |
| RED | 20 | 10% |
| ORANGE | 24 | 12% |
| YELLOW | 50 | 25% |
| GREEN | 2 | 1% |
| BROWN | 2 | 1% |
| BLUE | 2 | 1% |
| PINK | 100 | 50% |

You will be graded on…

 Graph Choices

 Titles

 Label(s)

 Scales

**DATA ANALYSIS**

1. Using the data chart below, determine and create the appropriate graph(s). (8 pts)

|  |
| --- |
| **TEMPERATURE FOR THE WEEK OF SEPTEMBER 12, 2013** |
| DAY | TEMPERATURE (degrees F) |
| 9/12/13 | 87 |
| 9/13/13 | 60 |
| 9/14/13 | 71 |
| 9/15/13 | 75 |
| 9/16/13 | 76 |
| 9/17/13 | 72 |
| 9/18/13 | 61 |

You will be graded on…

 Graph Choice

 Title

 Label(s)

 Scale

**GOALS…**

What are the important parts (components) of writing a good goal? Why are they important? Name the part/component, then describe how they help us or are important. (10 pts)

1. S

1. M

1. A

1. R

1. T