

Name: _____

Period: _____

Intro to 8th Grade Science Lab

Directions: Start at the assigned station based on your group number. You will have three minutes to complete the activity at each lab station. Work diligently and record the necessary information for each station on your lab sheet.

1. Mass:

Object 1: _____

Object 2: _____

Object 3: _____

2. Volume: Calculated volume of object: _____ 10 mL: _____ 100 mL: _____

3. pH

Water: _____

Sugar Water: _____

Soda: _____

4. Quantitative Observation

Definition: _____

- Observation: 1. _____
2. _____
3. _____

5. Qualitative Observation

Definition: _____

- Observation: 1. _____
2. _____
3. _____

6. Scientific Method

1. _____ 2. _____ 3. _____
4. _____ 5. _____ 6. _____

7. Independent Variable

Definition: _____

Example: _____

8. Dependent Variable

Definition: _____

Example: _____

9. Control

Definition: _____

Example: _____

10. Hypothesis

Definition: _____

Example: _____

11. Graphing

- 1.
- 2.
- 3.
- 4.
- 5.

12. Scientists – what do they study?

Botanist: _____
Paleontologist: _____
Forensic scientist: _____
Geologist: _____
Zoologist: _____
Oncologist: _____
Dermatologist: _____

13. Density

Mass: _____
Volume: _____
Density: _____

14. Length

Arm span: _____ Height: _____

Same: Yes/No

15. Safety

- 1.
- 2.
- 3.
- 4.
- 5.

Experiment Scenario

La'Shawn was conducting an experiment with mealworms. She had 10 mealworms in a container. She covered half of the container with black paper and left the other half uncovered. She observed the mealworms for 10 minutes as they moved around the container. She then counted the number of mealworms under the paper and the number of mealworms not under the paper.