

Tuesday, November 27, 2018

**Write In Your Agenda:**

CW:

- Hand in Research Article Question Sheet.
- Observations Activities.

HW:

- None.

**Write In Your Monitoring Log:**

Warm-Up Prompt:

How would you define scientific “observations”?

You will need:

- Pencil.
- Agenda.
- Monitoring Log. (Blue)

**Observations** consist of receiving knowledge of the outside world through our senses, or recording information using **scientific** tools and instruments. Any data recorded during an experiment can be called an **observation**.

# Learning Goal and Scale

- *TSW be able to apply scientific processes to complete laboratory investigations (that include writing PROBLEMS, gathering pertinent RESEARCH to write an appropriate HYPOTHESIS, DESIGNING controlled experiments (including appropriate PROCEDURES), organizing DATA into tables {and graphs when necessary}, and drawing CONCLUSIONS).*

<b>4</b>	In addition to score 3, the student can help teach or mentor his/her peers, apply his/her knowledge outside of the classroom, and demonstrate skill on a regular basis through relevant and meaningful experimentation.
<b>3</b>	TSW be able to apply scientific processes to complete laboratory investigations (that include writing PROBLEMS, gathering pertinent RESEARCH to write an appropriate HYPOTHESIS, designing controlled experiments, organizing DATA into tables {and graphs when necessary}, and drawing conclusions.
<b>2</b>	TSW be able to apply scientific processes to complete laboratory investigations that include 3 of the 5 requirements: <ul style="list-style-type: none"><li>○ Writing PROBLEMS</li><li>○ Gathering pertinent RESEARCH to write an appropriate HYPOTHESIS</li><li>○ Designing controlled experiments</li><li>○ Organizing DATA into tables {and graphs when necessary}</li><li>○ Drawing conclusions</li></ul>
<b>1</b>	TSW be able to apply scientific processes to complete laboratory investigations that include 2 of the 5 requirements: <ul style="list-style-type: none"><li>○ Writing PROBLEMS</li><li>○ Gathering pertinent RESEARCH to write an appropriate HYPOTHESIS</li><li>○ Designing controlled experiments</li><li>○ Organizing DATA into tables {and graphs when necessary}</li><li>○ Drawing conclusions</li></ul>
<b>0</b>	Even with help, the student experiences no success.