

_____’s SCIENTIFIC METHOD **PRACTICE LEARNING CHECK**

My graded learning check will be on _____



Understands the steps of the Scientific Method

1. List the 7 steps of the scientific method in the order in which you'd use them.

2. What is a hypothesis?

Notes to self:



Analyze information from a data table to answer scientific questions

3. A scientist collected data on how many days 3 different lightbulb brands would work before burning out. Mrs. Thelen claims that lightbulb B is the better product. Do you agree with her claim?

| Trial | Lightbulb A | Lightbulb B | Lightbulb C |
|-------|-------------|-------------|-------------|
| 1 | 184 days | 213 days | 248 days |
| 2 | 189 days | 252 days | 239 days |
| 3 | 192 days | 211 days | 244 days |
| 4 | 178 days | 209 days | 247 days |

Notes to self:



Generates scientific questions based on observations, labs, and research

4. Which of the following is an example of a good scientific question?
- a. How many drops can fit on a coin?
 - b. Is fresh fruit better than canned fruit?
 - c. How do plants grow best?
 - d. What amount of light is needed to produce the tallest tomato plant, 24 hours of light or no direct light?

Notes to self:



Identifies the need for evidence in making scientific decisions (conclusions)

5. Why are scientific conclusions so important?
- e. The readers will know the exact outcome of the experiment so they can fully understand it
 - f. It informs the scientific community of the latest findings
 - g. Both a and b
 - h. None of the above
6. What components are required within your scientific conclusion?

Notes to self:

In order to do my best on my learning check, I plan to do the following:
