

NAME: _____

DATE: _____

Reflecting on STEM

Directions: Use this graphic organizer to reflect on the lab you just completed. Each answer should be written with complete sentences in a detailed format.

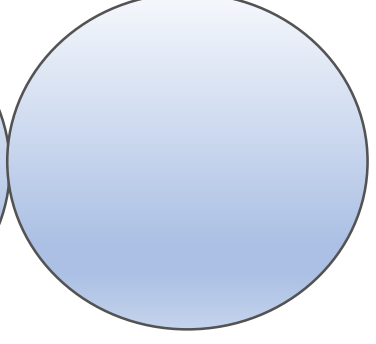
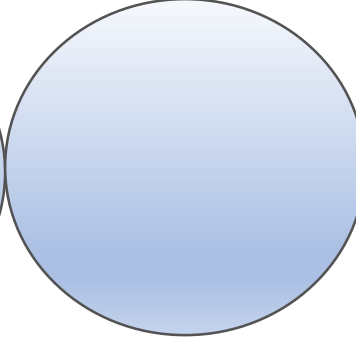
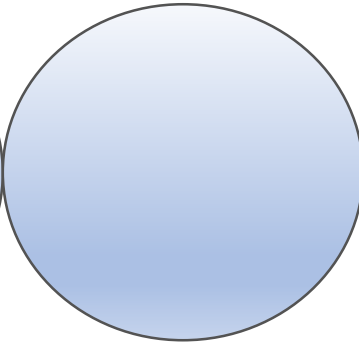
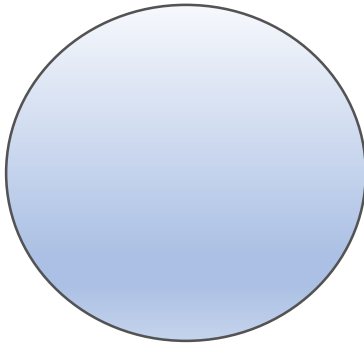
In one sentence, explain how each of the following were used in this lab experiment:

SCIENCE

TECHNOLOGY

ENGINEERING

MATH



Describe the area of STEM you focused on today.

What worked well?

What needs improvement?

Connect a career field to this activity and explain how the two are related.

Article Analysis

Directions: Locate a scientific article related to a topic from this unit. You may use a source from a valid online news source or printed publication. Identify and describe the main idea of the article and discuss the supporting details. Explain how the article impacts science.

Title and Location of Article: _____

Main Idea:

Relevance and Importance: _____

Claim + Evidence + Analysis

Directions: In the claim oval, state a fact. Prove that it's true by finding at least four pieces of evidence. Analyze and explain why it matters.

Claim:

Analysis | Why is this important? How does the evidence impact the acceptance of the claim?

Name: _____

Date: _____

Scientist:

THE FACTS:

Important
Dates

Personal Life

Contribution
to Science

image

failures

major research

Four Square Vocabulary

Directions: complete the task listed in each box below. As you're completing each of the squares, focus on things that will help you remember and understand the vocabulary word.

Definition:

Image:

Word:

Re-write the definition in your own words:

Find a current event article using this vocabulary word and copy one sentence here.

Topic:

Cause

The reason *why* something happened.

Keywords: if, because, so, as a result, due to, since, then.

Effect

What happened as a *result*?

Keywords: so, as a result, because, therefore, consequently, which caused.

Explanation

Write a detailed paragraph summarizing the process; include solid adjectives, adverbs, and correct punctuation.

Valuable

VOCABULARY

Name: _____

Date: _____

Word:

Definition:

Sentence:

Prefix/root/suffix:

Word:

Definition:

Sentence:

Prefix/root/suffix:

Word:

Definition:

Sentence:

Prefix/root/suffix:

Word:

Definition:

Sentence:

Prefix/root/suffix:

Opinion Organizer

Directions: There are many topics in the world of science that produce differing points of view. Select a topic that often cultivates a variety of opinions and explain your stance.

My opinion about _____:

Reason 1:

Reason 2:

Reason 3:

Reason 4:

Analysis | Why is this important? How does the evidence prove your opinion?