

Science, Grade: 7

Mastery Check \_\_\_\_\_

Benchmark #: 1.1.1

**State Language:**

The student identifies questions that can be answered through scientific investigations.

**Student Friendly Language:**

I will identify testable questions.

**Concept (Students will know):**

What a testable question is  
How to write a testable question  
How to identify a testable question

**Skills (Students will do):**

Identify

**DOK Level:**

**1**

**Big Ideas:**

Scientific investigations can be used to answer testable questions.

**Essential Questions:**

What is a testable question?

A student designed an investigation to answer a question. The steps the student followed during the investigation are listed below.

Step 1. Measure the mass of ten of the same type of plant seeds.

Step 2. Plant each seed in a pot of soil and place each pot in a sunny window.

Step 3. Give each plant the same amount of water each week.

Step 4. Measure the mass of each plant at the end of the week for the next two months.

Which question was this investigation most likely designed to answer?

- a. Which type of seed grows the fastest?
- b. How long does it take a plant to flower?
- c. What is the average rate of plant growth?
- d. Do plants grow better in sunlight or shade?

**Core Materials**

**Supplemental Materials:**