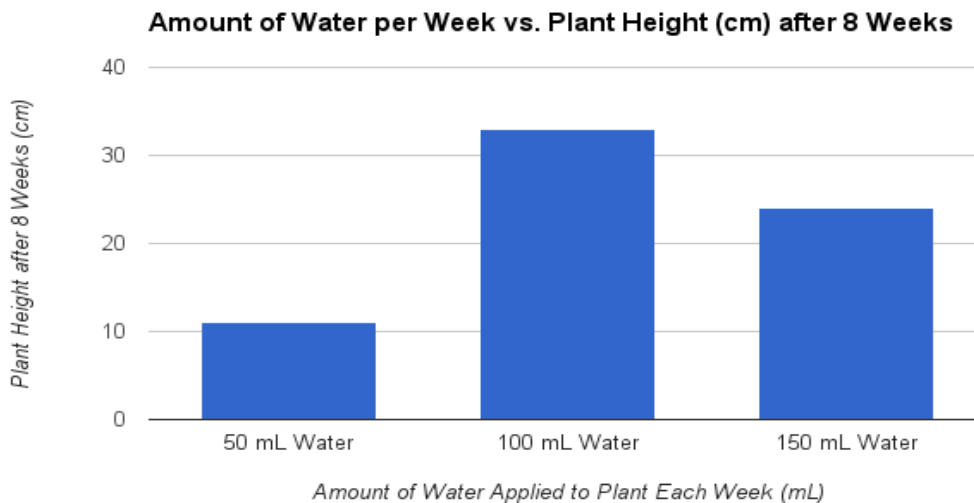


Quiz: Scientific Inquiry

The following items (A-E) are parts of five different investigations.

- A.** 1. Choose a small balloon and rub it on a towel for 30 seconds before sticking it to a clean wall.
2. Observe, measure and record how many seconds the balloon stays up on the wall.
3. Repeat steps 1-2 3 times.
4. Repeat steps 1-3 with the medium and large balloons.
- B.** How does the amount of water given per week affect the plant height after 8 weeks?



- C.** How does the mass of different bowling balls that all have the same diameter affect how many pins a bowling ball knocks down?
- D.** Type of Liquid Solution vs. Rate of Melting for an Ice Cube (seconds)

Liquid Used to Melt Ice Cube (200 mL of Room Temp. liquid with 1 tsp. of salt or sugar)	Time for Ice Cube to Melt (seconds)			
	Trial 1	Trial 2	Trial 3	Average
Salt Water	340	350	360	350
Sugar Water	360	380	400	380
Plain Water	180	190	200	190

- E.** If the same color Skittles are placed in three different temperatures of water, then the Skittles in the hot water will dissolve fastest because the heat will cause the candy to melt and dissolve more quickly.

Name: _____ Per: _____ Score: ____/32 Score: ____/4

Quiz: Scientific Inquiry

For each item (A-E) on page 1, write the manipulated, responding and controlled variables in the table below (1 point for each variable).

Item	Manipulated Variable	Responding Variable	Controlled Variable
A	1.	2.	3.
B	4.	5.	6.
C	7.	8.	9.
D	10.	11.	12.
E	13.	14.	15.

Use the same items (A-E) to fill in the following blanks - write the letter in the blank (1 pt each).

Which item (A-E) from page 1 is a:

16. Question: _____

17. Hypothesis: _____

18. Procedure: _____

19. Data Table: _____

20. Graph: _____

21. Write a hypothesis for the question on page 1. (2 points)

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

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