MINI TEST – SET 5

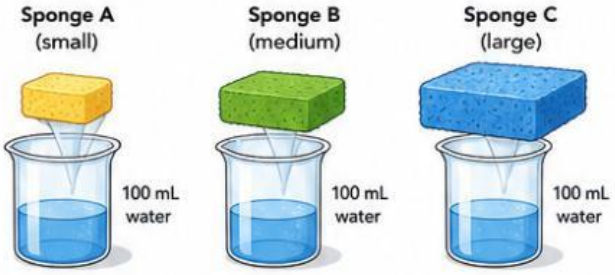
SCIENCE EXPERIMENTS & FAIR TESTING

Choose the correct answer (A, B, C or D) for each question.

1 Sponge Absorption Test

A student investigates how the size of a sponge affects how much water it absorbs.

Each sponge is dipped into 100 mL of water for 10 seconds.

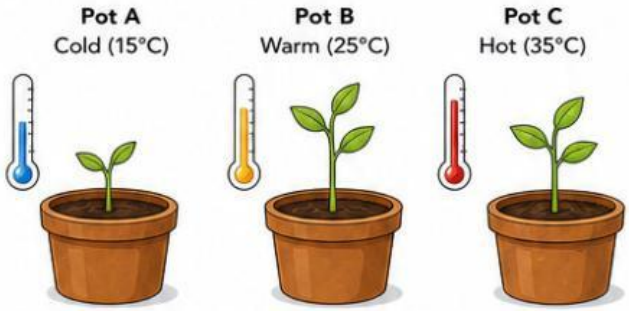


What is the independent variable?

A. The amount of water absorbed
B. The size of the sponge
C. The time in water
D. The volume of water

2 Seed Growth and Temperature

Three identical seeds are planted in the same soil.
All plants receive the same amount of water and sunlight.



After 7 days, the student measures plant growth.

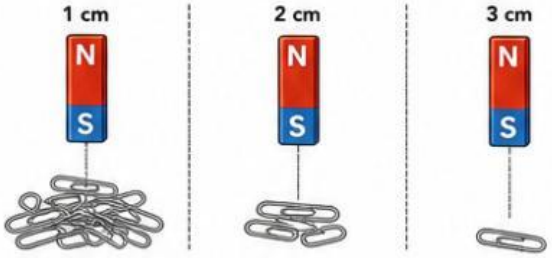
What should the student measure?

A. The color of the pot
B. The height of the plant
C. The type of soil
D. The size of the seed

3 Magnet Distance Experiment

A student uses the same magnet to pick up paper clips from different distances.

He counts how many paper clips are picked up each time.



What is the dependent variable?

A. The distance from the magnet
B. The number of paper clips picked up
C. The type of magnet
D. The size of paper clips

4 Cooling Juice Experiment

Two identical cups contain 200 mL of hot juice.
Temperature is measured every 5 minutes.



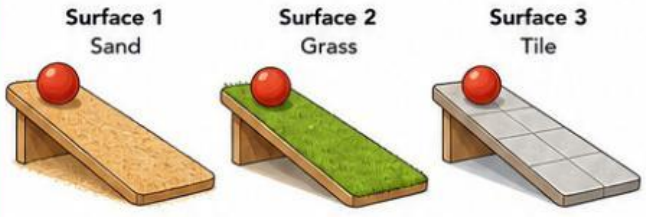
What must be kept the same to make it a fair test?

A. The type of lid
B. The volume of juice
C. The color of the cup
D. The air movement around the cups

5 Ball Rolling Investigation

A student rolls the same ball down ramps with different surfaces.

The ramp height and starting point are the same.



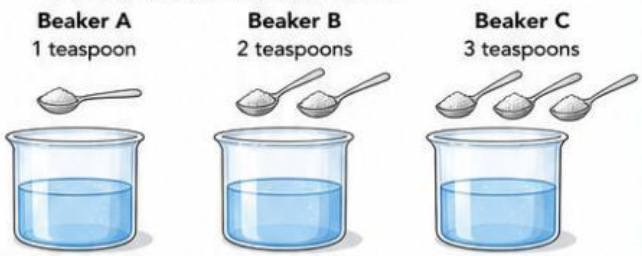
How does the student know which surface is fastest?

A. By measuring the time taken
B. By checking the color of the surface
C. By weighing the ball
D. By changing the ramp height

6 Salt Dissolving Experiment

Three beakers contain the same amount of water at the same temperature.

Different amounts of salt are added.



The student stirs each beaker the same way.

What is being investigated?

A. The effect of water temperature
B. The effect of the amount of salt on dissolving time
C. The effect of beaker size
D. The effect of stirring speed

GOOD LUCK!

LIVEWORKSHEETS