MINI TEST – SET 3

SCIENCE EXPERIMENTS & FAIR TESTING

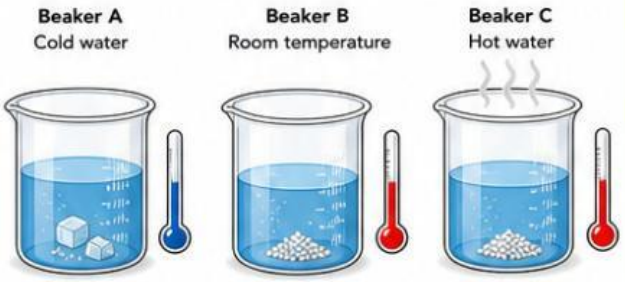
Choose the correct answer (A, B, C or D) for each question.

1 Dissolving Sugar

Mai wants to find out how temperature affects how fast sugar dissolves in water.

She uses the same amount of sugar, the same volume of water and the same beaker size.

Only the temperature of the water is different.



Which is the independent variable?

A. Amount of sugar
B. Temperature of water
C. Type of beaker
D. Volume of water

2 Plant Growth and Light

Nam investigates how light affects plant growth.
He puts three identical plants in different light conditions.



All the plants have:

- the same type of soil
- the same amount of water
- the same type of plant

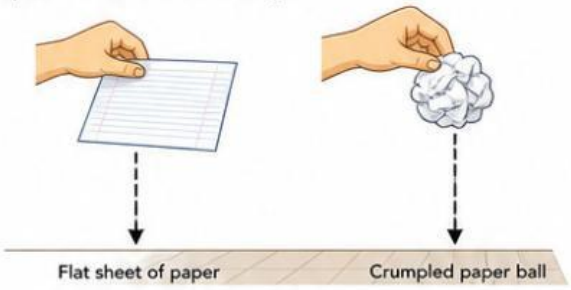
After two weeks, he measures the plants.

What should Nam measure?

A. Soil colour
B. Plant height
C. Pot size
D. Room temperature

3 Air Resistance Investigation

Lan wants to test how shape affects the speed at which objects fall.
She uses the same paper in two different shapes and drops them from the same height.



Why must the height stay the same?

A. To make a fair test
B. To make paper heavier
C. To change gravity
D. To stop air movement

4 Melting Chocolate

A class investigates how temperature affects the melting of chocolate.

They put equal-sized chocolate cubes on three plates in different places.

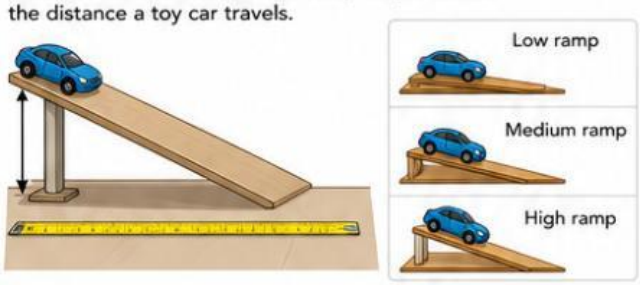


What is the controlled variable?

A. Temperature location
B. Size of chocolate pieces
C. Time taken to melt
D. Amount melted

5 Toy Car Ramp Test

Students want to find out how ramp height affects the distance a toy car travels.



What should the students do for reliable results?

A. Change the car each time
B. Repeat the test several times
C. Push the car harder
D. Change the floor surface

6 Evaporation Investigation

Students investigate how different conditions affect the rate of evaporation.
They use the same amount of water in each dish.



What observation shows evaporation happened fastest?

A. Highest water level
B. Lowest water level
C. Largest dish
D. Coldest place

GOOD LUCK!

LIVEWORKSHEETS