



Name: _____

Class: _____ Date: _____

Can Science Test This?

An activity of "Scientists try to discover the rules of the universe"

Read "Scientists try to discover the rules of the universe" (pages 12–13, *What's Up* July 2026). This article shows that science is not just a subject in school. It is a way of asking questions and finding answers through observation, experiments, and feedback.

- 1a) Take a look at these statements. Discuss with a partner whether you think science can test each one and how.

Statement	Testable?	If yes, how can it be tested? If no, why not?
Plants grow better when we speak kind words to them.	☐ Yes ☐ No ☐ Maybe	
Chocolate ice cream tastes better than vanilla ice cream.	☐ Yes ☐ No ☐ Maybe	
People eat more when using larger plates.	☐ Yes ☐ No ☐ Maybe	
Blue is the most beautiful colour in the world.	☐ Yes ☐ No ☐ Maybe	
The colour of a cup changes how sweet a drink tastes.	☐ Yes ☐ No ☐ Maybe	
Goldfish can recognise their owner's face.	☐ Yes ☐ No ☐ Maybe	
Your own:	☐ Yes ☐ No ☐ Maybe	

- 1b) Did both of you tick "maybe" for any of them? If you did, discuss why it was hard to pick either "yes" or "no".

- 1c) An experiment was conducted based on the first statement. Watch this video.

Bully a plant: Say no to bullying

➤ <https://youtu.be/Yx6UgfQreYY?si=vApVSwwK0u-AIsZ3> (IKEA UAE, 30 Apr 2018)

Discuss with your partner: Are you surprised by the outcome?

3a) With your partner, design a scientific experiment with the help of the graphic organiser below.



OUR EXPERIMENT BLUEPRINT



(Choose ONE statement to investigate.)

Our chosen statement:

QUESTION
(our scientific question)

(e.g. Do plants grow better when kind words are spoken to them?)

HYPOTHESIS
(an educated prediction)

(e.g. I think plants will grow better when kind words are spoken to them.)

WE'LL CHANGE
(Independent Variable)

(e.g. 'Type of words spoken'.)

WE'LL MEASURE
(Dependent Variable)

(e.g. 'The health of the plant'.)

 **THE EXPERIMENT**

Materials needed:

Steps:

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)

 **WHAT STAYS THE SAME** 

(e.g. 'Same plant, location, time frame, etc'.)

EVIDENCE TO COLLECT

(e.g. 'measurements like plant height, leaf count, plant photos, observations, etc'.)

 **WHAT OUR RESULTS WOULD SHOW** 



If our results showed _____



we would conclude _____

3b) Share your Experiment Blueprint with your class and ask for feedback.

