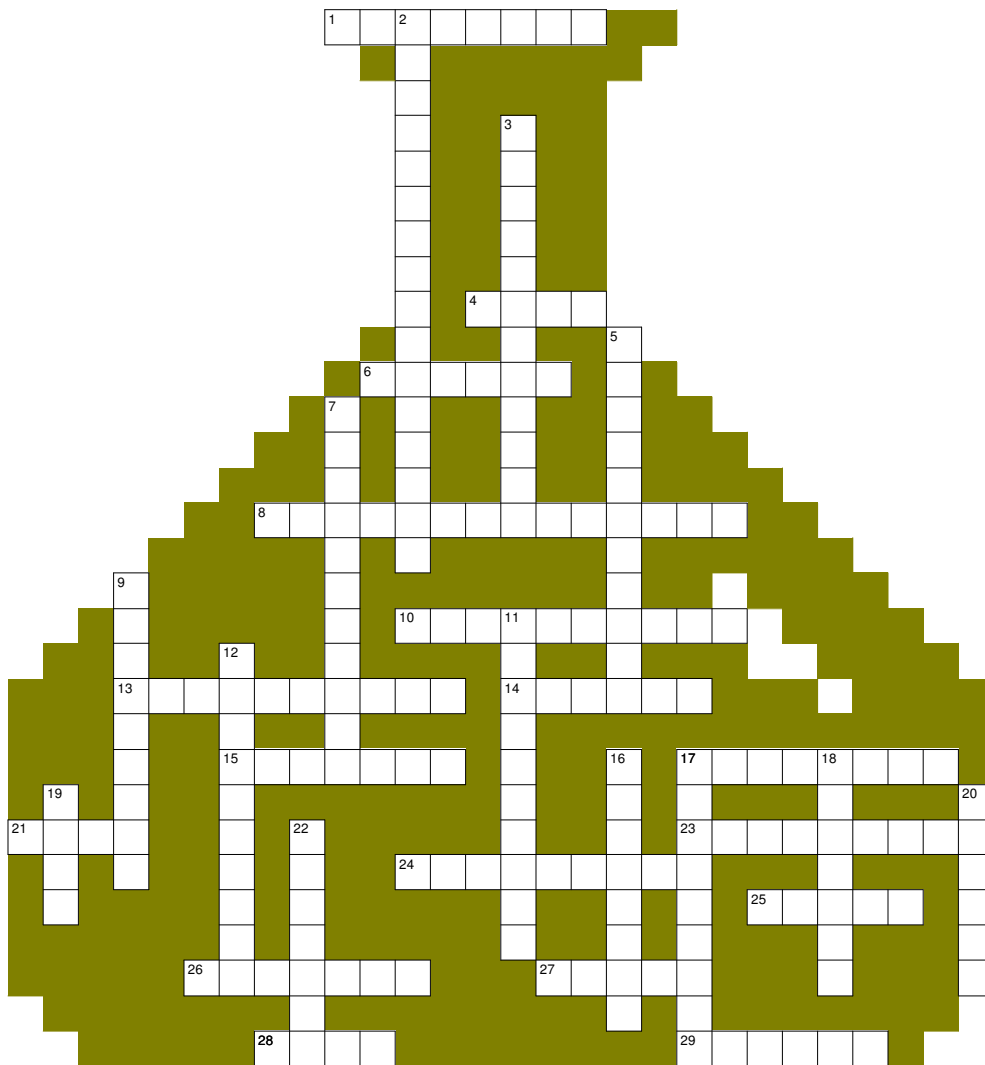


## 02\*-Experiments & Variables



### Down

2. the distance between the Earth and the Sun (AU) (2 words)
3. the variable that changes in an experiment
5. the set of rules that are obeyed by every detail of everything in the universe (2 words)
7. the variable that is changed by the experimenter
9. the distance light travels in one year (2 words)
11. set up to see the relationships between variables
12. what was learned in an experiment
16. a quantity that can be precisely specified
17. the variable that responds to changes in the independent variable
18. a good way to find an accurate measurement when values differ in an experiment
19. the language of variables
20. to figure something out from known facts using logical thinking
22. a mathematical way to write the relationship between variables

### Across

1. evaluating data
4. measured in seconds
6. everything that has mass and takes up space
8. transforms one kind of matter into another (2 words)
10. evidence that can be seen independently by others if done the same way
13. an unproved explanation that can be tested
14. the different forms that matter can take; solid, liquid or gas
15. the variables that are kept constant
17. the amount of space between 2 points
21. the information from an experiment
23. a description of an experiment
24. evidence that tells what actually happened
25. a mathematical 'picture' of the relationship of two variables
26. a process of learning that starts with questions
27. your choices on a variable, usually a number
28. The amount of stuff (matter) in an object
28. measured in grams or kilograms
29. an explanation supported by much evidence