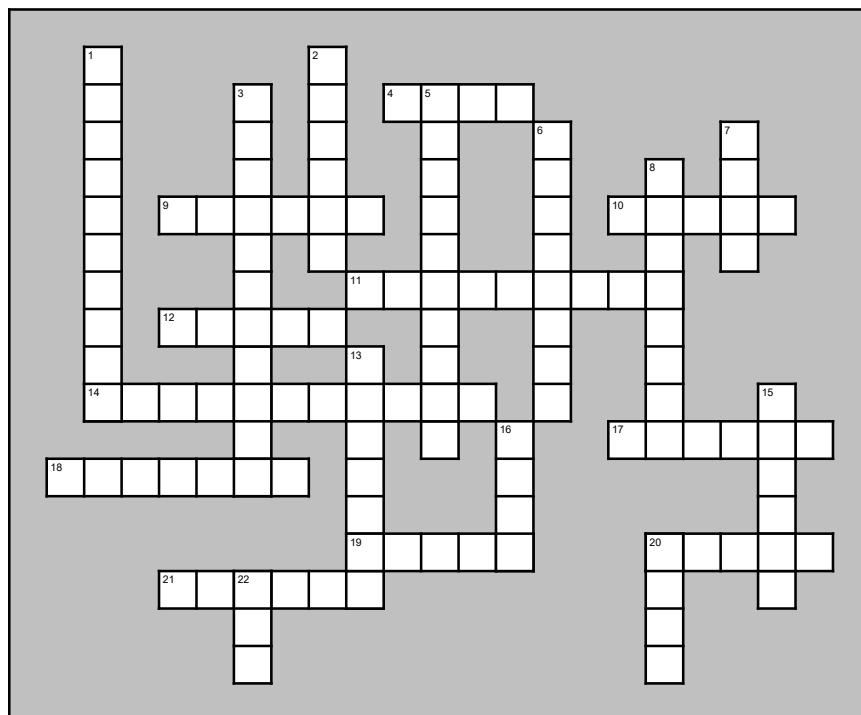


Crossword



Across

4. One million times a unit. In other words, 1,000,000 seconds equals one ____ second.
9. Establishes a recognizable pattern which can be repeated anywhere in which the conditions are the same. Provides an explanation for observations and can be modified.
10. One one-thousandth of a unit. In other words, you need 1000 ____ liters to equal one liter.
11. The person who handles events or information according to proper observation, hypothesis, experimentation, theory and law.
12. Standard metric unit of mass.
14. ____ figures insure accuracy and precision of measurement. All numbers measured with a graduation on a tool are significant plus one estimate.
17. This system is used by every industrial country in the world due to its simplicity (one unit for each type of measurement) and units are multiples of ten.
18. When we skip steps in the scientific method, we are ____ to conclusions.
19. 1/100th of a unit. In other words, you need 100 ____ meters to equal one meter.
20. One one millionth of a unit. In other words, you need 1,000,000 ____ meters to equal one meter.
21. The amount of space a substance occupies. A solid may be determined by $L \times W \times H$. An irregular solid volume can be determined using water displacement, and a liquid may be determined using a graduated cylinder.

Down

1. An educated guess based on what was already observed. A possible solution to a problem without jumping to conclusions.
2. Standard metric unit of distance.
3. Uses the senses in which you ask questions, collect data and organize facts.
5. To test the hypothesis, collect more data and compile more facts for further study. Includes a variable, control and conclusion.
6. Scientific ____ is used to express very large or very small numbers. A number is expressed as the product of a number between 1.0 and 9.9 and an exponent of ten.
7. One thousand times a unit. In other words, 1000 grams would equal one ____ gram.
8. Measured in meters to determine how long, wide, deep or broad and object is. Dimensions of length, width, and height.
13. Knowledge gained through study or practice.
15. Standard metric unit of volume.
16. One tenth of a unit. In other words you need 10 ____ degrees celsius to equal one degree celsius.
20. The amount of matter a substance contains. This never changes unless the substance changes. Measured in grams.
22. States a consistent, unchanging relationship between observed facts. Describes events in nature in which there are no exceptions under the same conditions.