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The Scientific Method

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|  |  |  |  |  |  | 4M |  E |  A |  S |  U |  R |  E |  |  |  |  | 5F |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  R |  |  U |  |  O |  |  |  |  |  |  O |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | 8I |  |  |  M |  |  T |  |  L |  | 9B |  |  |  |  M |  |  |  |  |  O |  |  |  |  |  |  |  |
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|  |  | 20C |  O |  N |  S |  T |  A |  N |  T |  | 21I |  D |  E |  N |  T |  I |  F |  Y |  |  | 22R |  E |  S |  E |  A |  R |  C |  H |  |
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| 28C |  O |  N |  C |  L |  U |  S |  I |  O |  N |  |  | 29O |  B |  S |  E |  R |  V |  A |  T |  I |  O |  N |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 30P |  R |  E |  D |  I |  C |  T |  |  |  |  |  |  |  |  |  |  |  |

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| **Across****4.** To determine the extent, quantity or dimensions**6.** To repeat a research study, usually with different participants and in different situations, to confirm the results of the original study**12.** To notice similarities or differences**15.** The methodological studying of the natural world through experimentation and verification of facts**18.** A detailed series of steps to follow to perform an experiment**20.** A feature of the experiment that does not change**21.** To name or recognize something based on its properties**22.** The collecting of information on a particular subject**23.** To make a conclusion based on reasoning and observations**24.** To group information into categories**25.** Visual aids used by scientists to communicate results of an experiment**26.** The process used by scientists to solve problems**27.** Part of the experiment capable to change**28.** What a scientist writes summarizing the results of an experiment**29.** The action or process of examining something carefully in order to**30.** Indicate in advance on the basis of observation, experience or scientific reason | **Down****1.** A scientific procedure undertaken to make a discovery, test a hypothesis or demonstrate a known fact**2.** The outcome or conclusion of an experiment after a period of time**3.** The first step in the scientific method is to define or identify the \_\_\_\_\_\_\_\_.**5.** To form an idea as a result of the analysis of the data**7.** A standard to compare with the results in an experiment**8.** The variables that the experimenter changes to test their dependent variable**9.** To cause favoritism or influence to experimental results**10.** The variable that depends on other factors, also the variable that will be measured and affected during the experiment**11.** To examine carefully and in detail to identify**13.** To observe carefully and in detail**14.** A statement predicting the result of a controlled scientific experiment**16.** Evidence gathered through observations (especially during experiments)**17.** To record observations, research and other information related to the experiment**19.** To write down in permanent form for later reference |