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Unit 1 Vocabulary Review

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| **Across**  **2.** The reproduction of a scientific investigation by another person to ensure accuracy.  **4.** A scientific test or procedure that is carried out under controlled conditions to answer a scientific question.  **5.** A replica or description designed to show the workings or structure of an object or system.  **13.** A scientific principle based on many observations of naturally occurring events that demonstrate it to be without exception under certain stated conditions. See also theory.  **15.** Evidence based on observations or experiments rather than theory.  **16.** Information about the natural world gathered through the senses and/or scientific instruments.  **17.** Observations obtained by following a preplanned method of observation.  **21.** Making multiple sets of measurements or observations in a scientific investigation  **22.** To examine methodically by separating into parts and studying their interrelatedness.  **23.** A factor, usually being measured or observed, that responds to, or depends on, another factor (test variable).  **24.** A factor or condition in a scientific experiment that is purposefully kept the same. | **Down**  **1.** A group in a scientific experiment that serves as a reference for comparison to the experimental group; a group that is untreated by the factor being tested.  **3.** Measurements or observations collected and recorded in an experiment or investigation  **6.** To state what one thinks will happen under certain conditions based on data or observation  **7.** A statement that can be tested scientifically through experiments and/or other scientific investigations.  **8.** An explanation for some naturally occurring event developed from extensive  **9.** A term used to describe the certainty of data or results of an investigation or experiment.  **10.** An event, condition, or factor that can be changed or controlled in order to study or test a hypothesis in a scientific experiment.  **11.** Multiple sets of measurements or observations in a scientific investigation.  **12.** An explanation based on evidence that is not directly observed  **14.** An organized scientific study of the natural world that may include making systematic observations, asking questions, gathering information, analyzing data, summarizing results, drawing conclusions, and/or communicating results.  **18.** The variable manipulated by the experimenter in order to study changes in the outcome variable.  **19.** A statement that tells what an investigation showed, based on observations and data.  **20.** A term used to describe a question that can be answered through an experiment or observation. |