

Scientific Inquiry

Study Guide

- Inquiry: A question about something or a close study of it.
- Accurate: Correct
- Thermometer: A tool that measures how hot or cold something is.
- Predict: To tell what you think will happen in the future.
- Evidence: Information collected in a scientific inquiry.
- Opinion: A personal belief that is not based on evidence.
- Data Table: A display that organizes data into rows and columns.
- Bar Graph: A graph that uses bars to display data.
- Line Graph: A graph that uses a line to display data.
- Scientific Method: An organized plan that scientists use to conduct investigations.
- Investigation: A scientific study.
- Hypothesis: A possible answer to the question in an investigation.
- Experiment: A test done to find out if a hypothesis is correct.

Science Tools

- Hand Lens: A tool that makes an object look bigger.
- Forceps: A tool that is used to pick up and hold on to small objects or objects that break easily.
- Dropper: A tool that picks up and releases small amounts of liquid.
- Magnifying Box: Magnifies an object to make it look bigger.
- Measuring Cup: Measures volume, or the amount of space that something takes up.
- Spring Scale: A tool that measures an objects weight.
- Thermometer: A tool that measures how hot or cold something is.
- Ruler: A tool used to measure length, width, height, or depth.
- Measuring Tape: It is like a ruler, but can measure curved objects.
- Measuring Spoon: It can be used to measure ingredients before combining them.
- Graduated Cylinder: It measures volume, or the amount of space that something takes up (like a measuring cup).
- Balance: A tool used to measure mass, or the amount of matter in an object.
- Microscope: A tool that is used to make very small objects look larger.