

Video Worksheet Lesson 6: The Scientific Method

| For each step of the scientific method, match the step with the brief explanation or example | |
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| Name of Step | Describe or Give Example (answers will vary) |
| _____ Identify a Problem | A. Create an if..then statement (If I mix these 2 substances then this will happen) |
| _____ Turn the problem into a question | B. Interpret what your findings mean (did you prove or disprove your hypothesis) |
| _____ Create an answer to your question with your best guess (Hypothesis) | C. Notice a problem through observation (example: some foods create gassiness) |
| _____ Test your question | D. Review your data to see what conclusions you can draw (was your hypothesis correct or was it proven incorrect?); share it with others |
| _____ Analyze your findings | E. Research ways you could test your problem and make it a question |
| _____ Make a conclusion and repeat the experiment | F. Plan your procedure and collect/record your data with an experiment |
| Evaluating: Why do you think scientists came up with this method of testing problems? What are its strengths? (name 2) | |
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| Ethics & Science: It has happened that people in the scientific community have falsified results or data they shared. How can scientists hold one another accountable and make sure that shared data is accurate? | |
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