

Each and every day, you are faced with having to make split-second decisions, and the need to solve random problems that you encounter. In this Assessment, you will create a PowerPoint presentation to explain how you would use the scientific method to solve the following scenario.

You have agreed to take care of your friend's dog Buddy while they go on a trip to Antarctica. On your two-hour trip to take your friend to the airport you get so caught up talking about their upcoming adventure that you do not have any time to ask questions about Buddy who is riding in the backseat. After you drop your friend off, just in time to catch their flight, you drive the two hours back home and realize that your friend accidentally took the dog's bag with them when they ran into the airport. You quickly go out to the local pet store and ask the salesperson to help you pick out food and supplies to take care of Buddy for the next few weeks. When you get home, you feed Buddy but he refuses to eat his dinner. This puts you in a little bit of a panic since your friend is on a long flight and will then be on a ship to Antarctica so contacting them will be difficult. You take a deep breath and decide that you can try to solve this problem on your own.

Prepare a PowerPoint® presentation to show how you would apply each step of the scientific method to try to solve this problem using the proper terminology (hypothesis, experiment, etc.). Use a minimum of three references to provide factual support.

Make sure your PowerPoint® presentation addresses the following questions. A template is provided to get you started. Add your research notes into the Speaker Notes section of the PowerPoint. Additional slides should be added to address all the questions in this Assignment and cite your sources. You are welcome to modify this template to suit your needs, being sure to meet the assignment requirements.

1. Apply the steps of the Scientific Method to this situation outlining how you would try to figure out what is going on with Buddy. It should be clear what each step of the scientific method is and what you would be doing for each step. Make sure you include a hypothesis that is consistent with the provided scenario in the appropriate step. Indicate which source you are using for the scientific method itself.

Steps of the scientific method:

- ask a question and make initial observations

- background research
 - formulate a hypothesis
 - test with an experiment
 - analyze and draw conclusions
2. For your step that involves testing your hypothesis (experimentation) explain what would happen if the results supported your hypothesis and what would happen if the results did not support your hypothesis.
3. You know you can contact your friend at some point soon but only for a short time. What three testable questions would you want to ask to help support or disprove your hypothesis?
4. Your neighbor comes over to help with Buddy and poses the following hypothesis: Buddy won't eat because he feels his owner is in danger. Is this a testable hypothesis? If so, please explain how you would test it. If not please explain why it is not testable in the context of the scientific method.

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Minimum Submission Requirements

- This Assessment should be a Microsoft PowerPoint Presentation (10–12 slides), not including the title and reference slides.
- Include a title slide, double spaced, font size 10 or 12.
- Reviewed for grammar and spelling errors.
- No evidence of plagiarism.
- Minimum of 3 academic sources included.
- Respond to the questions in a thorough manner, providing specific examples of concepts, topics, definitions, and other elements asked for in the questions. Presentation should be highly organized, logical, and focused.
- Presentation must be written in Standard English and demonstrate exceptional content, organization, style, and grammar and mechanics.
- Your presentation should provide a clearly established and sustained viewpoint and purpose.
- Your writing should be well ordered, logical and unified, as well as original and insightful.
- A separate slide at the end of your Presentation containing a list of references, in APA format must be included. No more than 10% of your assignment should be taken verbatim from any outside sources.

- Be sure to cite both in-text and reference list citations where appropriate and reference all sources. Your sources and content should follow proper APA citation style.