

Science Graded Assignment 5/7/21
Use your notes or the online notebook pages 61-62

Match the scientific investigation step with the example given. Use your note or the online notebook page 62-63.

1. ____ observation	a. "I predict that a person can run faster in sneakers than in flip-flops."
2. ____ inference	b. "A cleaning solution of vinegar and lemon juice removed stains better than solution with just one of these ingredients."
3. ____ hypothesis	c. "I am going to try greater amounts of baking soda in my cake recipe to see if the cake rises higher."
4. ____ experiment	d. "If I let some of the air out of my soccer ball, then it won't travel as far."
5. ____ prediction	e. "People are using umbrellas, it must be raining."
6. ____ conclusion	f. "My dog doesn't like his new food. I wonder how it's different?"

Match the term with the definition.

7. ____ qualitative data	a. a conclusion based on the best data you have at the moment
8. ____ quantitative data	b. something that can be changed in an experiment and that can affect the outcome.
9. ____ independent variable	c. describing the quality of something by its relative size, the way it looks, or its special properties
10. ____ dependent variable	d. something that changes in an experiment as a result of the independent variable.
11. ____ constants	e. describing something using number measurements such as weight or height.
12. ____ variable	f. a deliberate change in an experiment to see how it affects the results
13. ____ inference	g. a statement that begins with IF and THEN.
14. ____ hypothesis	h. things that remain the same on purpose during an experiment.