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 statins 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.