

Hypothesis Writing Practice

Forming a hypothesis is the second step of the scientific inquiry process. A hypothesis is a possible explanation for observations, or an educated guess about what you think will happen in your experiment.

How do I write a hypothesis?

- If, then or If, than statement
- Testable and measurable
- Be able to be proven true, partially true, or false.
- A scientist is able to design and conduct an experiment to prove or disprove the hypothesis

Write your own hypotheses to these scientific questions. Remember, you are only being graded on if you wrote your hypothesis correctly (the four guidelines above) not if your answer to the questions is correct.

1). Question: What amount of sunlight makes a daisy grow best?

Hypothesis: _____ If the daisies are given 4 hours of sunlight daily than they will grow best. They will flower more frequently, as the plant needs sun to do so. _____

2). Question: Which size of rock is best for skipping?

Hypothesis: _____ If the stone is about 3-5 inches in diameter depending on the size of your hand, and has an air pocket on the bottom of the stone than it will produce a greater number of skips. _____

3). Question: Do muddy snow and clean snow melt at the same rate?

Hypothesis: _____ If we compare the muddy snow to clean snow i.e. if we give them same amount of sun and temperature than the clean snow will melt faster. As the muddy snow is sometimes turned solid and is hard to melt. _____

4). Question: How long can milk be left out of the fridge before it goes bad?

Hypothesis: _____ If we leave milk out of fridge for 6 plus hours than it can go bad .Because of change in the temperature. The milk can turn solid resulting in bad milk. _____

5). Question: Which type of fish food does Pippa prefer? (pellets, flakes, mealworms, ect.)

Hypothesis: _____
If aPippa is given food out of pallets, flakes, and mealworms ,than the Pippa will prefer mealworms. Because mealworms are mostly found in ponds and the Pippa belonging to pond will prefer mealworms.

6). Question: What is the most effective way to clean the science desks?

Hypothesis: _____ If we clean the science desk the **traditional way**, **te** we can use **hd** soaps, water, vinegar, and household **cleaners** can be used for regular surface **cleaning** than it would be better because we can organize everything accordingly. And everything will be clean thoroughly. _____

Commented [1]: This is not clear. What is the traditional way? You also need to apply than... or then...

Commented [2]: You clarified your response, but you did not correct this response. It is not written as a hypothesis. Be sure to refer to the lesson.