



Identify each step below with the step of scientific inquiry by using each word once.

Analysis, Conclusion, Hypothesis, Inference, Observation, Question, Test/Experiment

Question 13. Which battery lasts the longest in my gaming system?

Conclusion 14. After observing my brother change the batteries in his gaming system every month, I wanted to find out which type of battery lasts the longest. My hypothesis was that the Energizer Rechargeable battery would outlast the other batteries. After measuring the time it took to run down 3 types of batteries, I have discovered that the Duracell battery lasts 2 hours longer than the HEB Brand, and 3 hours longer than the Energizer Rechargeable batteries, which are the most expensive. The data does not support my hypothesis. The next experiment I will investigate is to find out how playing different games over a long period of time affects the battery life of my controllers.

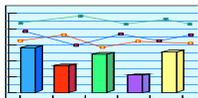
Observation 15. My brother replaces the batteries in his remote control once a month.

Hypothesis 16. If I use the more expensive battery, then I will not have to change batteries as often.

Test/Experiment 17. I will test three different types of batteries in my gaming system. I will keep track of the time it takes for each type of battery to die.

Inference 18. Energizer batteries must be the most popular since they have a lot of commercials.

Analysis 19.



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Gaming system, controller, type of games 20. Name one variable that should remain constant throughout the above experiment.