

- CLASSWORK - Monday, 09/09/24

- 1) Get your Science Notebooks and open on the first page to get to your Discovery Education QR Code.
- 2) Login to Discovery Education and watch the assigned video "Scientific Method" <https://app.discoveryeducation.com/learn/videos/0e989d3a-a91f-4992-9d14-e9d69959e322>
- 3) Complete the attached worksheets and upload on Archie.

Please remember to complete your work independently, use complete sentences and try your absolute best!!!!

Ms. Yiouli

Post-Test

Name _____

Circle the best answer for each of the following questions.

- This is a summary of the findings of an experiment:
a. conclusion *b. hypothesis* *c. variable* *d. control*
- Measurements are commonly recorded as:
a. symbols *b. numbers* *c. letters* *d. images*
- The following type of experiment tests one factor at a time:
a. controlled experiment *b. testable experiment* *c. data experiment* *d. variable*
- In an experiment, the factor that is being tested is the:
a. control *b. divisor* *c. coefficient* *d. variable*
- The scientific method is a systematic approach to solving problems and:
a. preventing accidents *b. saving wildlife* *c. making medicines* *d. answering questions*
- Recorded observations and measurements are called:
a. bytes *b. numbers* *c. data* *d. sentences*
- A well-informed proposed solution to a scientific problem is a:
a. hypothesis *b. guess* *c. question* *d. solution*
- To test a hypothesis, the following are commonly conducted:
a. trials *b. experiments* *c. controls* *d. variables*
- Before conducting an experiment, it is important to:
a. sleep *b. eat* *c. exercise* *d. do research*
- The general goal of science is to:
a. understand the world around us *b. make money* *c. develop vaccines* *d. write articles*

Post-Test

Name _____

Write true or false next to each statement.

- 11. _____ Scientific experiments are rarely conducted to test a hypothesis.
- 12. _____ Scientists use a variety of tools and methods to gain knowledge.
- 13. _____ Graphs are often used to help analyze data.
- 14. _____ A hypothesis is a wild guess about a scientific problem.
- 15. _____ Most scientific investigations begin with a problem or a question.

Write a short answer for each of the following.

16. What is a hypothesis?

17. What is data?

18. What is the general goal of science?

19. List an important scientific discovery.

20. How is a hypothesis often tested?

Video Review

Name _____

While you watch the video, answer these questions:

1. You Observe!

How does this weather satellite help scientists?

2. You Observe!

How is the water in this nearby freshwater pond different from those salty pools?

3. You Decide!

What do this thermometer, balance, and meterstick have in common?

After you watch the video, test your knowledge with these questions.

1. The goal of _____ is to understand the world around us.
2. The _____ method is a systematic approach to answering questions.
3. Most scientific investigations begin with a problem or _____.
4. A _____ is a proposed solution to a scientific problem.
5. Recorded observations and measurements are called _____.