

## **- 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.

1. This is a summary of the findings of an experiment:  
**a. conclusion**                      **b. hypothesis**                      **c. variable**                      **d. control**
2. Measurements are commonly recorded as:  
**a. symbols**                      **b. numbers**                      **c. letters**                      **d. images**
3. The following type of experiment tests one factor at a time:  
**a. controlled experiment**   **b. testable experiment**   **c. data experiment**   **d. variable**
4. In an experiment, the factor that is being tested is the:  
**a. control**                      **b. divisor**                      **c. coefficient**                      **d. variable**
5. The scientific method is a systematic approach to solving problems and:  
**a. preventing accidents**   **b. saving wildlife**                      **c. making medicines**                      **d. answering questions**
6. Recorded observations and measurements are called:  
**a. bytes**                      **b. numbers**                      **c. data**                      **d. sentences**
7. A well-informed proposed solution to a scientific problem is a:  
**a. hypothesis**                      **b. guess**                      **c. question**                      **d. solution**
8. To test a hypothesis, the following are commonly conducted:  
**a. trials**                      **b. experiments**                      **c. controls**                      **d. variables**
9. Before conducting an experiment, it is important to:  
**a. sleep**                      **b. eat**                      **c. exercise**                      **d. do research**
10. 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?

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17. What is data?

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18. What is the general goal of science?

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19. List an important scientific discovery.

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20. How is a hypothesis often tested?

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# Video Review

Name \_\_\_\_\_

**While you watch the video, answer these questions:**

**1. You Observe!**

How does this weather satellite help scientists?

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**2. You Observe!**

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

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**3. You Decide!**

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

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**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 \_\_\_\_\_.