

Name: \_\_\_\_\_

Period: \_\_\_\_\_

**HW1:5 Measuring  
Mr. Murray, IPC  
science.fearthepenguin.net**

**Assigned: Fri, 8/25 and Mon., 8/28  
Due: Tues., 8/29 and Wed., 8/30**

1. Theory, Hypothesis, or Guess?

- A. \_\_\_ After seeing a movie that you liked, you believe everyone will like it.
- B. \_\_\_ Gravity pulls objects toward the earth and toward each other.
- C. \_\_\_ If I add more sugar to my bread mixture it will rise faster.

5. If your hypothesis was right what do you do?

6. Your car doesn't start. Use the scientific method to figure out the cause.

2. Is it possible to break a Scientific Law?

3. Why or why not?

4. If your hypothesis was wrong what do you do?

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Hardness	Color	Mass	Brittle?
Hard	green	23 g	yes
Soft	yellow	15 g	yes
semi-soft	blue	80 g	no
Hard	green	65 g	yes

7. What can you conclude from the above data?

11. Why are protecting wetlands so important for us, not just for wildlife?

8. In what part of the scientific method do you measure things?

12. Shipping companies typically use rivers to move cargo (much cheaper by ship). Much of their cargo comes from overseas including toxic chemicals and oil. This cargo is usually transferred in the midst of what delicate biome? (I'm looking for the biome BETWEEN fresh and salt water.)

9. Is this statement provable through the scientific method?  
*"Ivory-white facial cleaner rubs clean back into your face. Take it from me—it works!"*

10. Why or why not?