

NAME: _____

CLASS: _____

GALILEO's HYPOTHESIS

1. You will perform two mini experiments; one with coins, one with coffee filters
2. **Procedure A:**
 - a. Stack 10 coins and tape them together
 - b. You will take one coin and the newly taped stack of coins and drop them from the same height at the same time
3. **HYPOTHESIS:**
State your hypothesis **BEFORE** the experiment
4. **ANALYSIS:**
What did you observe? Did the experiment agree with your hypothesis (Support or Reject your hypothesis)?
If not, why do you think so?
5. **Procedure B:**
 - c. Stack 10 filters together
 - d. You will take one filter and the stack of filters and drop them from the same height at the same time
6. **HYPOTHESIS:**
State your hypothesis **BEFORE** the experiment
7. **ANALYSIS:**
What did you observe? Did the experiment agree with your hypothesis (Support or Reject your hypothesis)?
If not, why do you think so?
8. **CONCLUSION:**
Why did you get two different results in the demonstrations?
9. **Procedure C (performed by Mr. Andrej)**
10. **FINAL CONCLUSION:**
Based on the coin experiment, the coffee filter experiment and the Mr. Andrej's demonstration, **SUPPORT** or **REJECT** the argument that "heavy objects fall faster than lighter ones." Write a paragraph and USE complete sentences! (Use the back page if you need more room to write your final conclusion)