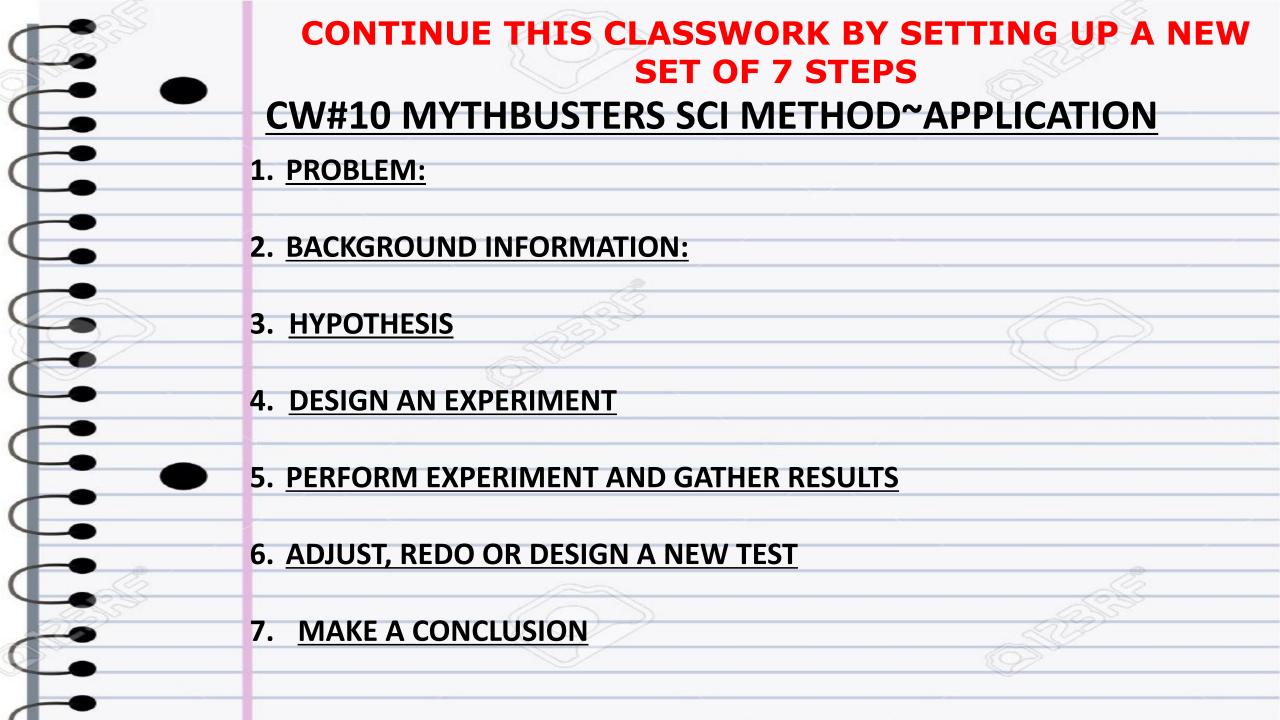
CW#10: CW#10: & The Scientific Method APPLICATION

Now that you understand the basic ideas of the SCIENTIFIC METHOD, you will be required to APPLY that understanding to another Mythbuster Episode to:

- Identify SPECIFIC examples for each step
- Identify SPECIFIC CONNECTIONS to the Scientific Method Cycle

WHILE VIEWING: Use the green sheet provided to complete the task

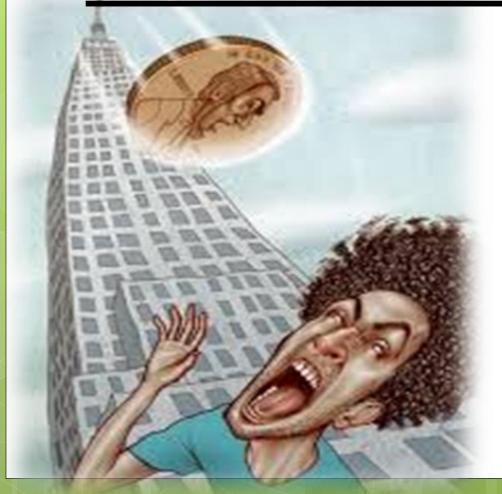


AS YOU WATCH THIS SEGMENT, IDENTIFY:



PROBLEM: Write a "CAUSE & EFFECT" testable question about their penny test (If needed, use your "SCIENCE EXPERIMENT GUIDEBOOK"—PAGE 13 in your notebook to help you)

2) RESEARCH/BACKGROUND INFORMATION:



List AT LEAST 5
FACTS (scientific & verifiable, NOT opinions or hearsay) given in the video



3. HYPOTHESIS:

Write an "IF...THEN...BECAUSE" statement that answers your "testable question" (PROBLEM)

HINT

IF a penny is dropped from the top of the Empire State Building, THEN...BECAUSE...

AS YOU WATCH THESE NEXT 2 SEGMENTS: DESIGN AN EXPERIMENT:

- Determine the MANIPULATED VARIABLE
- Determine the RESPONDING VARIABLE
- List the CONTROLLED VARIABLES
 (EVERYTHING they kept constant)
- What tools do they use during the experiment?





AS YOU WATCH THIS NEXT SEGMENT:

- 5) PERFORM EXPERIMENT AND GATHER RESULTS:
 - What were the results of their FIRST experiment?

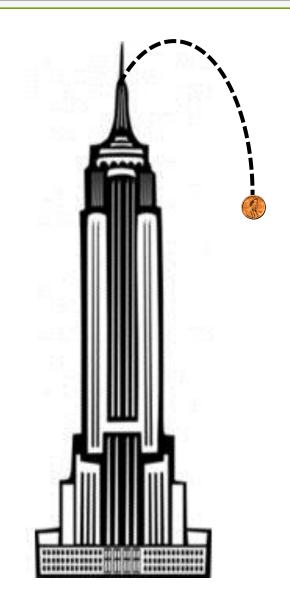
6) ADJUST, REDO, OR DESIGN A NEW TEST:

- What did they go back and look at again or what experiment did they need to adjust and redo?
- What new question did they decided to test?
- What new question do YOU have?



7) CONCLUSION:

What is the conclusion they reach for the myth?



SUMMARY PARAGRAPH:

this averaging out the Muthbustons

Write a paragraph to summarize the experiment, using the Sentence frames below. YOUR PARAGRAPH MUST INCLUDE:

WHAT THEY DID AND WHY THEY DID IT
THEIR CLAIM ABOUT THE ANSWER TO THE "PROBLEM"
EVIDENCE TO BACK UP THEIR CLAIM

ın tnis experiment, t	ne mythbusters	in order to
find out	. Their results show that a	
penny dropped from	the Empire State Building	5
	For example, when the	e penny was fired
at the head it	and when it was fi	red at their hands
it		