

# Science Notebook Layout **DON'T COPY UNDERLINED TEXT**

Mrs. Aguirre's Webpage: <http://www.quia.com/profiles/caguirre>

Conclusion :

- Label paper cups: R and B for red and blue. Mark a line about 1/3 of the way from bottom
- Put 1 level tsp of each mix in your cups.
- Test the aroma (use correct technique) and appearance of each. Record ratings.
- Use the toothpick to taste each dry mix. Record ratings.
- Mix with water: Recipe Don't mix up the spoons. 1 level tsp. powder + 1/3 of the small cup of warm water. **STIR WITH TOOTHPICK!!**

## Analysis of cocoa lab

1. The experimental variable is \_\_\_\_\_
2. Variables we Controlled: \_\_\_\_\_ Made the Test Unfair: \_\_\_\_\_

Use 6 lines **ONLY!!**

3. The thing about this experiment is.... (THE COCOA EXP!)
4. The cocoa experiment was not a valid "scientific" experiment because the variables were not controlled. **TRUE OR FALSE.** EXPLAIN

5. How could bias influence the outcome of the cocoa lab?

## PICTURES!!

Draw a picture of a Mug of Cocoa

Inside- Complete this sentence:

"The thing about this lab is....."



Reflect on the survey results you discussed in class.

## Tape in Cocoa Lab WS



### Rating the Cocos

Problem: Which cocoa is best?

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

Information: Define: Quantitative: \_\_\_\_\_

Hypothesis: Which will be better (why?) \_\_\_\_\_

RED LABEL BRAND COCOA					Blue Ribbon Brand Cocoa				
									
INGREDIENTS: Extracted sucrose, cocoa processed in alkali, uncoagulated milk parts, partially separated milk, sodium chloride, artificial flavoring.					INGREDIENTS: Pure sugar, rich dutched chocolate, whey, nonfat milk, salt, vanillin.				
Circle the number for your opinion.					Circle the number for your opinion.				
Dry Mix	Excellent	Good	Fair	Poor	Dry Mix	Excellent	Good	Fair	Poor
Aroma	4	3	2	1	Aroma	4	3	2	1
Appearance	4	3	2	1	Appearance	4	3	2	1
Flavor	4	3	2	1	Flavor	4	3	2	1
Mixed with water	Excellent	Good	Fair	Poor	Mixed with water	Excellent	Good	Fair	Poor
Aroma	4	3	2	1	Aroma	4	3	2	1
Appearance	4	3	2	1	Appearance	4	3	2	1
Flavor	4	3	2	1	Flavor	4	3	2	1
TOTAL SCORE: _____ To find the total, add all the numbers you circled.					TOTAL SCORE: _____ To find the total, add all the numbers you circled.				
Average score (Total ÷ 6) = ____ . ____ (1 decimal place)					Average score (Total ÷ 6) = ____ . ____ (1 decimal place)				

### CONCLUSION:

In your topic sentence, answer the problem: "Which cocoa tastes best?". Give quantitative evidence to support your conclusion. Explain why you think the cocoa you chose was better. Was your hypothesis correct (explain)?

---



---



---



---



---