Name: _____ Group: _____ Date: _____

LAB 14
OBSERVATION

DETERMINING ACIDITY, ALKALINITY AND NEUTRALITY

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Goal

Determine if a substance is acidic, alkaline or neutral.

Observation criteria

1. What test helps to determine if a substance is acidic, alkaline or neutral?

_____

_____

2. What would be the test result for an acidic substance?

_____

_____

3. What would be the test result for an alkaline substance?

_____

_____

4. What would be the test result for a neutral substance?

_____

_____

Materials

- 7 neutral litmus paper strips
- spot plate
- dropper bottle of milk
- dropper bottle of apple juice
- dropper bottle of shampoo
- dropper bottle of soft drink
- dropper bottle of glass cleaner
- dropper bottle of all-purpose cleaner
- dropper bottle of tap water

Name: _____ Group:_____ Date: _____

Procedure

1. Set one neutral litmus paper strip into a well of the spot plate.
2. Place a drop of milk on the litmus paper.
3. Repeat steps 1 to 2 with each of the other substances.
4. Clean up and put away materials.

Observations

Record your observations in the table below. Give the table a title.

Title:

Substance	Colour of neutral litmus paper

Reflecting on the lab technique

1. Do your observations help you to better understand how to determine if a substance is acidic, alkaline or neutral? Explain your answer.

_____

2. Which substances are acidic?

_____

3. Which substances are alkaline?

_____

4. Which substances are neutral?

_____

5. Were you surprised by some of the results? If yes, which ones?

_____

6. How could you improve the protocol for this lab?

_____