

Is This Your Property?



QUESTION: What physical properties of liquids can be used to distinguish between liquids?

MATERIALS:
unknown samples - 10

- PROCEDURE:**
- Carefully examine each sample to determine its unique physical properties. Properties you may want to compare are:
taste
transparency
viscosity
color
odor (use the waft method)
pH (use test paper, red = acid/blue = base)
 - Design a table to display your data.

DATA: Develop on separate sheet

- QUESTIONS:**
- Which of the samples are acidic?
 - Which of the samples are basic?
 - Which of the samples had a detectable odor?
 - Which sample was the most viscous?
 - Which sample was the least transparent?
 - What were the major differences between Samples A and C?
 - What was the major difference between Samples H and J?

PS - Activity

DATA:

SAMPLE	TASTE	ODOR	COLOR	TRANS-PARENCY	VISCOSITY	REACTS WITH VINEGAR	pH
1							
2							
3							
4							
5							
6							
7							
8							
9							
10	DO NOT TASTE						



TEACHER BACKGROUND

SAMPLE LIQUIDS

- a - sugar water - clear
- b - Sprite™
- c - salt water - water
- d - oil
- e - sugar water - blue
- f - Karo Syrup™
- g - salt water - blue
- h - vinegar
- i - Alka Seltzer™
- j - Windex™ (dilute)