

Lab – Unknown Liquids

Question: Can I identify similarities of chemicals by testing their properties?

Procedure:

1. Waft the odor of each substance and record what you smell, if anything
2. Mass 10ml of the substance & record. Remember to subtract the mass of the beaker.
3. Dip a piece of litmus paper into the liquid. Record any color change.
4. Add one or two drops of indicator to your substance. Does the color change? Record.
5. Place a small amount of baking soda in a petri dish. Add a small amount of the liquid to the baking soda. Record any change.
6. In your 10ml sample, drop a small amount of salt. Stir. Does it dissolve?

Data:

Chemical	Odor	Mass of 10ml	Litmus paper	Reactivity to Indicator	Reactivity with baking soda	Solubility of salt	Chemical Name
A							
B							
C							
D							
E							
F							
G							
H							

Conclusions:

What similarities do you see amongst the chemicals you tested?

Acids turn Litmus paper Red,

Bases turn it blue/purple

Does the indicator match this?

What else did the acids do?