

## WHAT CAN YOU CONCLUDE ABOUT IDENTIFICATION OF COMPOUND PHYSICAL PROPERTIES



## RELATED BOOK :

### Experiment 1 Identification of a Compound Physical Properties

physical properties include color, odor, density, solubility, melting point, boiling point, and state of the substance (solid, liquid, or gas). Physical properties can be observed or measured without any knowledge of the chemical reactivity of the substance. Additional tests, tests that reveal more information about its chemical or physical properties, may be necessary to confirm the purity of the substance.

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### Physical Chemical Properties of Compounds Types

For instance, if you have a liquid that you are not sure what it is, you can boil it and determine its boiling point. You can also note other physical properties, like its color and odor.

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### EXPERIMENT 3 Identification of a Substance by Physical

can be classified as either physical properties or chemical properties. Physical properties are those that can be determined or measured without changing the composition or identity of the substance.

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### Identifying an Unknown Compound by Solubility Functional

Identifying an Unknown Compound by Solubility, Functional Many compounds have similar physical properties and give similar results in qualitative tests. However, an unknown can undergo you will combine both spectroscopy and qualitative tests to identify an unknown organic compound. For this experiment, the possible categories of the

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### Physical Properties EXPERIMENT Identification of a Pure

Physical Properties: Identification of a Pure Liquid . Experiment 6 6-3 . PROCEDURE . Typically, liquid volumes are determined using calibrated glassware such as graduated cylinders, volumetric flasks, burettes, and pipettes. In today's lab, a green chemistry approach to determining the density and boiling point will be employed.

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### Experiment3 Identification of a Compound Chemical

Identification of a Compound: Chemical Properties 1. What is the purpose of this lab? 2. As a result of the mixing of the test solutions with the reagent solutions in Part A of the experiment, the following salts are formed. Refer to Appendix G to determine which of the salts are considered insoluble. a. AgCl b. AgCO<sub>3</sub> c. Ag<sub>2</sub>SO<sub>4</sub> d. Mg(NO<sub>3</sub>)<sub>2</sub> e. NH<sub>4</sub>NO<sub>3</sub> f. Mg(OH)<sub>2</sub>

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### Physical Properties of Organic Compounds

Experiment 1: Physical Properties of Organic Compounds Introduction Physical properties are defined as a property that can be measured without changing the composition of the substance. The physical properties that will be measured during this lab are solubility, density, melting point, boiling point and refractive index. These physical properties can help elucidate the identity of an unknown substance.

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### Chapter 2 Properties of Matter Key Points Flashcards

A compound is a substance that is made from two or more simpler substances and can be broken into those simpler substances. The simpler substances are either elements or other compounds. Give an example of how the properties of a compound differ from those of the substances from which it is made.

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### **Chemistry Chapter 7 Flashcards Quizlet**

What can you conclude about the strength of ionic bonds based on the physical properties of ionic compounds? Based off the physical properties, of how the ions are packed together in a repeating pattern in which balance the forces of attraction and repulsion, I can conclude that there is a pretty decent strength between the bonds.

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### **Laboratory 4 Determining the Identity of an Unknown**

Laboratory 4: Determining the Identity of an Unknown Compound bottle on the shelf, how can you identify it?

We will explore using the chemical properties of compounds to identify an unknown liquid based on its characteristic chemical reactions. exclusive, and indeterminate results. Discussion In previous labs we have used physical

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### **Using Properties to Identify Ionic and Molecular Compounds**

Then (in your conclusion) compare your findings for each compound with what you now know about the ionic vs. covalent nature of each compound. Make sure this information is clear in your conclusion. b) List the physical properties that indicate ionic bonding exists in a compound.

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