

### functional groups in organic pdf

functional groups are groups of atoms in organic molecules that are responsible for the characteristic chemical reactions of those molecules. IN THE GENERAL FORMULAE BELOW,  $\text{R}^{\text{TM}}$  REPRESENTS A HYDROCARBON GROUP OR HYDROGEN, AND  $\text{X}^{\text{TM}}$  REPRESENTS ANY HALOGEN ATOM.

### FUNCTIONAL GROUPS IN ORGANIC CHEMISTRY

Functional Groups and Chemical Families Although there are a wide variety of organic compounds, most of them are composed of the elements from the upper right hand portion of the periodic chart: C, H, N, O, S, Halogen.

### Functional Groups and Chemical Families

Organic Compounds: hydrocarbons and derivatives just C and H C, H, N, O, X, etc ... Note: groups can rotate about a C-C single bond ( $\text{f}$  only), but not a C=C double ( $\text{f} + \text{f}$ )! ... Organic Functional Group List Functional Group Compound Prefix/Suffix Example

### Organic Compounds hydrocarbons and derivatives

Organic Chemistry - Ch 2 71 Daley & Daley Chapter 2 Introduction to Organic Nomenclature and Functional Groups Chapter Outline 2.1 Drawing Organic Structures

### Introduction to Organic Nomenclature and Functional Groups

Unit One Part 2: naming and functional groups  $\text{gjr}$ - $\text{}$  To write and interpret IUPAC names for small, simple molecules  $\text{}$  Identify some common functional groups found in organic molecules

### Unit One Part 2: naming and functional groups

An Overview of Organic Functional Groups (1.1E) 1-19 1.2 Chemical Bonds 1-24 Localized Molecular Orbitals (1.2A) 1-24 ... Organic chemistry describes the structures, properties, preparation, and reactions of a vast array of molecules that we call organic compounds. There are many different types of

### from Organic Chemistry

Now that the functional groups and substituents from Groups A, B, and C have been described, a modified set of steps for naming organic compounds can be applied to all simple structures:  $\text{}$ Step 1.

### Short Summary of IUPAC Nomenclature of Organic Compounds

Many organic chemistry molecules contain groups of atoms known as functional groups. Here is a list of common organic functional groups.

### Common Functional Groups - Organic Chemistry - ThoughtCo

ORGANIC FUNCTIONAL GROUP ANALYSIS I. OBJECTIVES AND BACKGROUND This experiment will introduce you to some of the more common functional groups of organic chemistry. The functional group is that portion of the molecule that undergoes a structural change during a chemical reaction.

### ORGANIC FUNCTIONAL GROUP ANALYSIS - chem21labs.com

The identification of functional groups and the ability to predict reactivity based on functional group properties is one of the cornerstones of organic chemistry. Functional groups are specific atoms, ions, or groups of atoms having consistent properties.

## **Organic Chemistry/Overview of Functional Groups**

The Role of Functional Groups. In organic chemistry, a functional group is a specific group of atoms or bonds within a compound that is responsible for the characteristic chemical reactions of that compound.

## **Functional Group Names, Properties, and Reactions**

Introduction to Organic Chemistry Chem. Nat. Substances p6 Functional Groups The behavior of any molecule in a particular chemical environment is determined by the

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