ORGANIC CHEMISTRY 2 LECTURE GUIDE 2019

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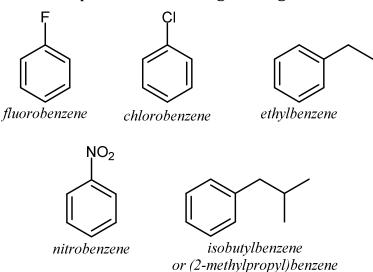
Printed in the United States of America

10987654321

ISBN 978-0578415017 (IQ-Proton Guru)

## **Lesson IV.6. Nomenclature of Monosubstituted Benzene Compounds** *Nomenclature of monosubstituted benzene follows familiar rules*

Many monosubstituted benzene derivatives can be named simply by using benzene as the parent and naming it using rules we learned for alkanes:



When benzene is a substituent, it is called **phenyl** and is abbreviated as —Ph.

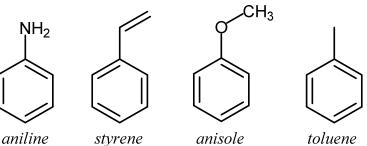
<u>Notes</u>			

## **Lesson IV.6. Nomenclature of Monosubstituted Benzene Compounds** *Common names for some aromatics*

Others have non-systematic names that give some information about the functional group present:

phenol benzonitrile benzaldehyde benzoic Acid acetophenone

Others have well-established common names providing less structural insight:



<u>Notes</u>			