

Unit 15: Descriptive, Organic, and Nuclear Chemistry

adapted from http://www.phschool.com/advanced/lesson_plans/chem_brown_2003/index.html

Objectives:

- Predict the products of chemical reactions involving oxidation or combustion involving oxygen or proton transfer reactions.
- Identify the types of hydrocarbons.
- Understand and be able to identify structural isomers.
- Know the major function groups.
- Be able to write, balance and predict the products of nuclear reactions.
- Understand the meaning of half-life.

Key Words:

ozone	alcohol	amine	alpha particle
hydrocarbon	ether	radioactivity	beta particle
alkane	aldehyde	nucleons, \	gamma radiation
alkene	ketone	radionuclides	positro
alkyne	carboxylic acid	radioisotopes	electron capture
structural isomer	ester		half-life
functional group			

Tips:

- The more examples you do, the better you will get at predicting and writing reactions!

