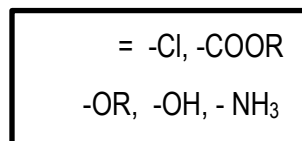
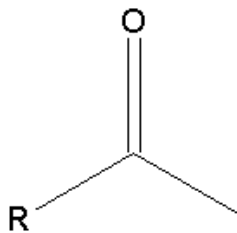
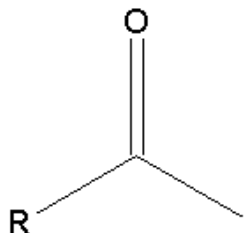


CONCEPT: COOH DERIVATIVES AND NUCLEOPHILIC ACYL SUBSTITUTION

Carboxylic acid derivatives are defined as any carbonyl with a single electronegative group (-Z) in the α -position.

- These follow unique nucleophilic mechanism due to the presence of a leaving group, called NAS.
 - By definition, they can ALL be hydrolyzed to a carboxylic acid using water with acid or base.
- Nitriles also fall into this category due to their ability to be hydrolyzed



General Carbonyl Mechanisms:

