

CONCEPT: ACID IDENTIFICATION

The most common feature of an acid is that many possess an H^+ ion called the _____.

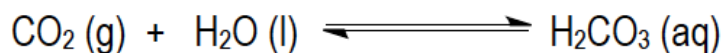
When it comes to acids there are **2 MAJOR TYPES** that exist:

_____ are acids where the H^+ ion is attached to an electronegative element.

- These types of acids lack the element _____ and usually possess no _____.
- The most common type of these particular acids are the haloacids: _____, _____, _____ & _____.

_____ are acids that contain the _____, _____ & _____.

- They are created by the hydration of nonmetal oxides.



EXAMPLE: Which of the following compound(s) **cannot** be classified as an acid?

a) H_2Se

b) HOCN

c) HN_3

d) C_3H_8

e) All are acids.

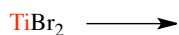
CONCEPT: IONIC SALTS

When an acid neutralizes a base an ionic compound called a _____ is formed. These solutions can be neutral, acidic or basic, depending on the acid-base properties of the cations and anions formed.

Cations \oplus

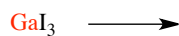
□ Transition Metals

____ or higher charge will be acidic, less than ____ will be neutral



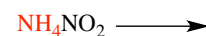
□ Main Group Metals

____ or higher charge will be acidic, less than ____ will be neutral



□ Positive Amines

Positively charged amines are acidic



Anions \ominus

□ Add an H^+ to the anion and if you create a weak acid then your negative ion is basic.



□ Add an H^+ to the anion and if you create a strong acid then your negative ion is neutral.



Amphoteric

□ Acidic



□ Basic

