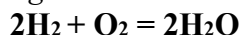


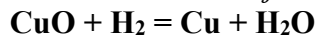
HIDROGÉN

Égése:



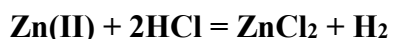
hidrogén + oxigén = víz

Redukálószer, elvonja az oxigént:



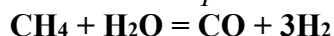
réz-oxid + hidrogén = réz + víz

Előállítása laboratóriumban:



cink + sósav = cink-klorid + hidrogén

Előállítása az iparban:

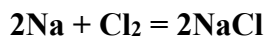


metán + víz = szén-monoxid + hidrogén

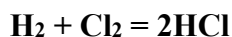
KLÓR



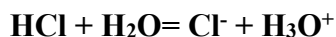
vas + klór = vas-klorid



nátrium + klór = nátrium-klorid (konyhasó)

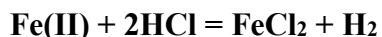


hidrogén + klór = hidrogén-klorid

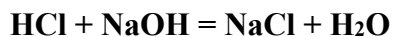


hidrogén-klorid + víz = kloridion + oxóniumion

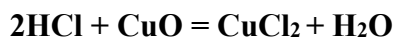
SÓSAV



vas + sósav = vas-klorid + hidrogén



sósav + nátrium-hidroxid = nátrium-klorid + víz



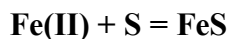
sósav + réz-oxid = réz-klorid + víz

OXIGÉN

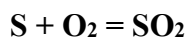


vas + oxigén = vas-oxid

KÉN



vas + kén = vas-szulfid

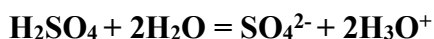


kén + oxigén = kén-dioxid

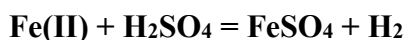


kén-dioxid + oxigén = kén-trioxid

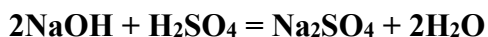
KÉNSAV



kénsav + víz = szulfátió + oxóniumion

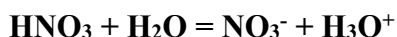


vas + kénsav = vas-szulfát + hidrogén



nátrium-hidroxid + kénsav = nátrium-szulfát + víz

SALÉTRÓMSAV

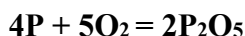


salétromsav + víz = nitrátió + oxóniumion



salétromsav + ammónia = ammónium-nitrát

FOSZFOR

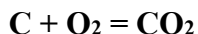


foszfor + oxigén = foszfor-pentaoxid



foszfor-pentaoxid + víz = foszforsav

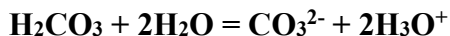
SZÉN



szén + oxigén = szén-dioxid

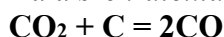


szén-dioxid + víz \rightleftharpoons szénsav



szénsav + víz = karbonátió + oxóniumion

Ha a szén-dioxid izzó szénen halad át (pl.: a kályhában), oxigént veszít:



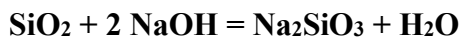
szén-dioxid + szén = szén-monoxid

A szén-monoxid éghető gáz:



szén-monoxid + oxigén = szén-dioxid

SZILÍCIUM



szilícium-dioxid + nátrium-hidroxid = nátrium-szilikát + víz
(vízüveg)