

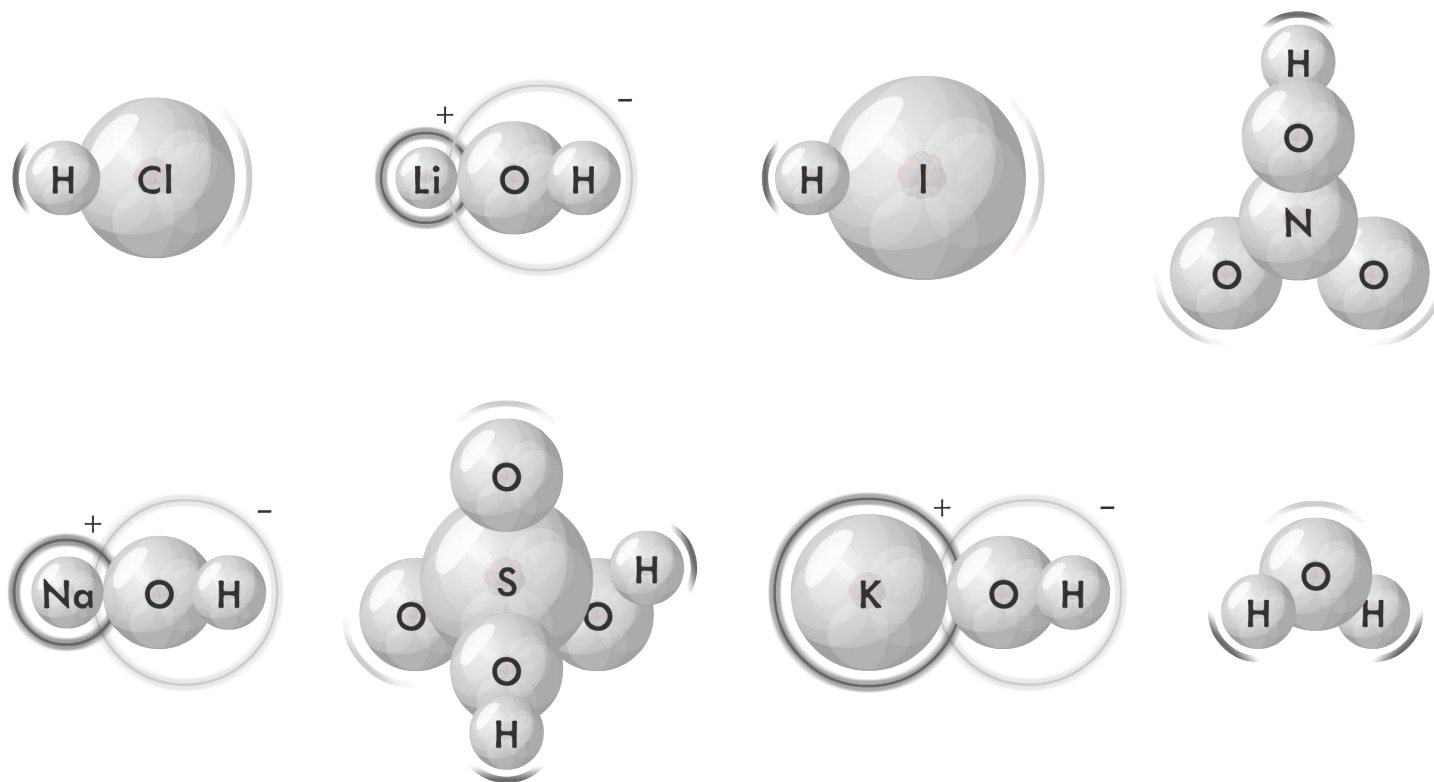
Student Activity

# ACIDS & BASES



**Concepts:** Proton Donors, Proton Acceptors, & Neutralization Reactions

Directions: Using the acids and bases below, create 4 unique reactions and determine the products. Check your answers by using the Collisions Acids & Bases Sandbox.



Acid		Base		Products
$HCl(aq)$	+	$NaOH(aq)$	→	$H_2O(l) + NaCl(aq)$
$HI(aq)$	+	$LiOH(aq)$	→	$H_2O(l) + LiI(aq)$
$HNO_3(aq)$	+	$KOH(aq)$	→	$H_2O(l) + KNO_3(aq)$
$H_2SO_4(aq)$	+	$H_2O(l)$	→	$HSO_4^-(aq) + H_3O^+(aq)$

*Note: other reactions are also possible*