

Key

2018-2019

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

Direction: Identify each of the following substances as an acid, base, salt or molecule. Then, name the substance according to proper naming rules and identify whether it is an electrolyte.

Formula	Acid, Base, Salt, or Molecule?	Name	Can it conduct electricity?
$PbSO_4 (s)$	salt	lead(II) sulfate	No
$H_2SO_3 (aq)$	acid	sulfurous acid	Yes
$PF_3 (g)$	molecule	phosphorus trifluoride phosphorus(III) fluoride	No
$LiOH (aq)$	base	lithium hydroxide	Yes
$HF (aq)$	acid	hydrofluoric acid	Yes
$SO_2 (g)$	molecule	sulfur dioxide sulfur(IV) oxide	No
$HClO_2 (aq)$	acid	chlorous acid	Yes
$Cu_2CO_3 (l)$	salt	copper(I) carbonate	Yes
$HBr (aq)$	acid	hydrobromic acid	Yes
$KOH (s)$	salt	potassium hydroxide	No
$NaNO_3 (aq)$	salt	sodium nitrate	Yes