CHEMISTRY/WORKSHEET BRÖNSTED-LOWRY ACID/BASE RXN

NAME	KEY		_
PERIOD_			

IDENTIFY EACH OF THE FOLLOWING AS ACTING AS AN ACID OR A BASE AND/OR COMPLETE THE EQUATION. ALSO, SHOW THE BRIDGE BETWEEN EACH ACID/BASE CONJUGATE PAIR.

1) 
$$NH_3$$
 +  $H_3O^{1+}$  =  $NH_4^{1+}$  +  $H_2O$   $A$   $A$   $A$ 

2) 
$$CH_3OH$$
 +  $NH_2^{1-}$  =  $CH_3O^{1-}$  +  $NH_3$ 

$$A \qquad B \qquad CB \qquad CB$$

3) 
$$OH^{1-}$$
 +  $H_3O^{1+}$  =  $H_2O$  +  $H_2O$   
 $\underline{\beta}$   $\underline{A}$   $\underline{(A/C)}$ 

4) 
$$NH_2^{1-}$$
 +  $H_2O$  =  $NH_3^{+}$  +  $OH^{-}$ 

$$B$$
  $A$   $CA$ 

5) 
$$H_2O$$
 +  $Clo_4^{1-}$   $A$   $Clo_4^{1-}$   $A$   $Clo_4^{1-}$ 

6) 
$$+$$
 \_\_\_\_ =  $SiO_3^{2-} + HSO_4^{1-}$ 

