CHEMISTRY/WORKSHEET BRÖNSTED-LOWRY ACID/BASE RXN

NAME_____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

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

3)
$$OH^{1-}$$
 + H_3O^{1+} = H_2O + H_2O

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

5)
$$H_2O$$
 + ____ = H_3O^{1+} + ClO_4^{1-}

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

7)
$$H_2S$$
 + CO_3^{2-} = ____ +

8)
$$CN^{1-}$$
 + MH_3