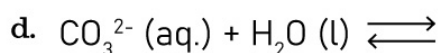
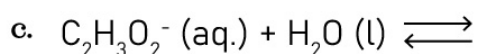
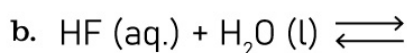
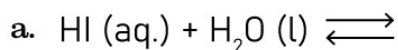


Name : _____ Date : _____

Conjugate Pairs Worksheet

- 1 Complete the equation for each of the following reactions with water. Indicate the acid (A), base (B), conjugate acid (CA), and conjugate base (CB).



- 2 Write an equation that shows the reaction of ammonia, NH_3 , with hydrobromic acid, HBr . Label the acid, the base, the conjugate acid, and the conjugate base.

- 3 Write an equation that shows the reaction of the phosphate ion, PO_4^{3-} , with the hydronium ion, H_3O^+ . Label the acid, the base, the conjugate acid, and the conjugate base.

- 4 Write an equation that shows the reaction of the hydrogen sulfide ion, HS^- , with the hydroxide ion, OH^- . Label the acid, the base, the conjugate acid, and the conjugate base.

- 5 Write the formulas for the conjugate bases formed by the following acids.

