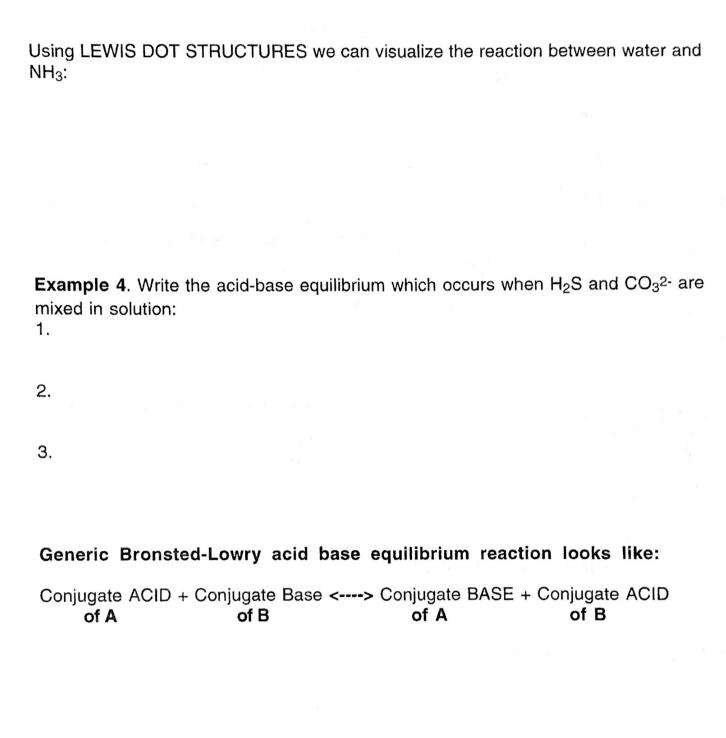
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ACID BASES UNIT Lesson #5 CONJUGATE ACIDS AND BASES

A conjugate ACID-BASE PAIR is				
CONJUGATE ACID				
CONJUGATE BASE				
Example1 . In the equlibrium reation $NH_{4^+} + H_2O <> NH_3 + H_3O+$ there are TWO CONJUGATE PAIRS				
CONJUGATE PAIR CONJUGATE ACID CONJUGATE BASE a.				
b.				
Example 2 . Given the following conjugate pairs, identify the conjugate acid and the conjugate base: $H_2PO_4^{1-}$, HPO_4^{2-} S ²⁻ , $HS^ HCO_3^-$, CO_3^{2-}				
Example 3. a. What is the conjugate ACID of NH ₃ ?				
b. What would be the conjugate BASE of NH ₃ ?				
A NOTE on ORGANIC COMPOUNDS:				
ORGANIC ACIDS, substances containing a COOH group:				
ORGANIC BASES, substances containing either an NH ₂ group or an NH group:				



SEATWORK/HOMEWORK: Exercises 15-19 in Hebden

PLO's: J10-J12