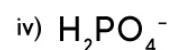
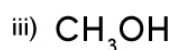
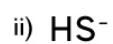
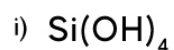


# Acids and Bases Problems

① Fill in the missing acid, base, conjugate acid, and conjugate base.

Acid (HA)	Conjugate base (A <sup>-</sup> )
HI	
	Cl <sup>-</sup>
NH <sub>4</sub> <sup>+</sup>	
	HS <sup>-</sup>
Base (A <sup>-</sup> )	Conjugate acid (HA)
F <sup>-</sup>	
	HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> <sup>-</sup>
SO <sub>3</sub> <sup>2-</sup>	
	HClO

② Write the acid-base reaction with water for each of the following acids. Label the acid, base, conjugate acid, and conjugate base.



# Acids and Bases Problems

## Answers

① Fill in the missing acid, base, conjugate acid, and conjugate base.

Acid (HA)	Conjugate base (A <sup>-</sup> )
HI	I <sup>-</sup>
HCl	Cl <sup>-</sup>
NH <sub>4</sub> <sup>+</sup>	NH <sub>3</sub>
H <sub>2</sub> S	HS <sup>-</sup>
Base (A <sup>-</sup> )	Conjugate acid (HA)
F <sup>-</sup>	HF
C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> <sup>-</sup>	HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> <sup>-</sup>
SO <sub>3</sub> <sup>2-</sup>	HSO <sub>3</sub> <sup>-</sup>
ClO <sup>-</sup>	HClO

② Write the acid-base reaction with water for each of the following acids. Label the acid, base, conjugate acid, and conjugate base.

