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1.	acid	conjugate base	base	conjugate acid
(a)	HCHO ₂	CHO ₂ ⁻	H ₂ O	H_3O^+
(b)	$C_6H_5NH_3^+$	$C_6H_5NH_2$	H ₂ O	H_3O^+
(c)	H ₂ CO ₃	HCO ₃ ⁻	OH⁻	H ₂ O
(d)	HSO_4^-	SO ₄ ²⁻	HPO ₄ ^{2–}	$H_2PO_4^-$
(e)	HCI	Cl⁻	HSO₄⁻	H_2SO_4

2. The hydrogen sulfate ion is amphiprotic because the hydrogen sulfate ion can act as an acid or a base. The hydrogen sulfate ion acts as an acid (donates the hydrogen ion) in 1d and acts as a base (accepts the hydrogen ion) in 1e.