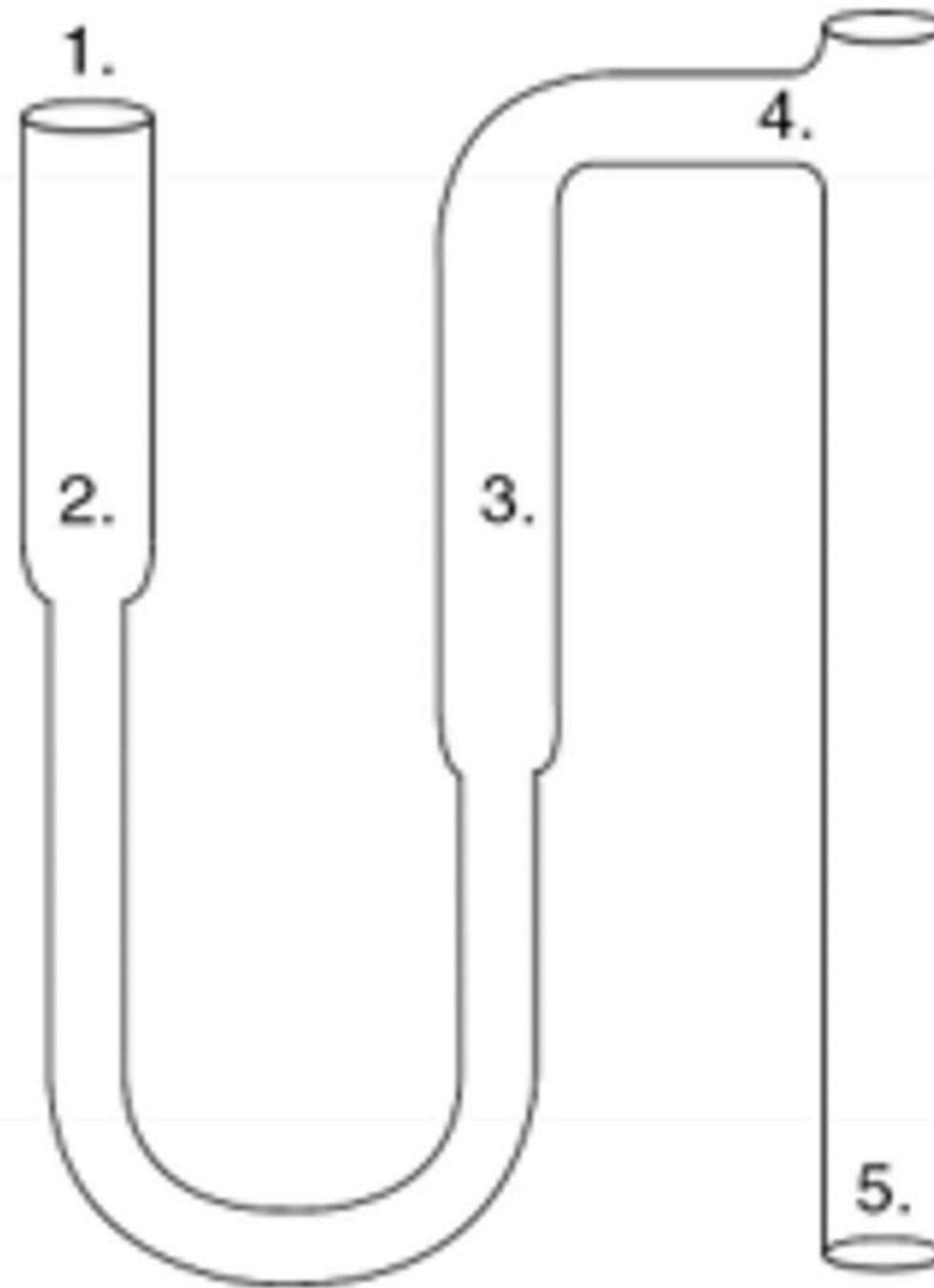


To excrete base

1. Freely filter HCO_3^-
2. Reabsorb the majority of filtered HCO_3^-
3. Reabsorb some additional HCO_3^-
4. Secrete some HCO_3^-
5. Excrete alkaline urine containing HCO_3^-



To excrete acid

1. Freely filter HCO_3^-
2. Reabsorb the majority of filtered HCO_3^-
3. Reabsorb some additional HCO_3^-
4. Secrete H^+ (titrate filtered bases) and secrete NH_4^+
5. Excrete acidic urine containing NH_4^+

Vander