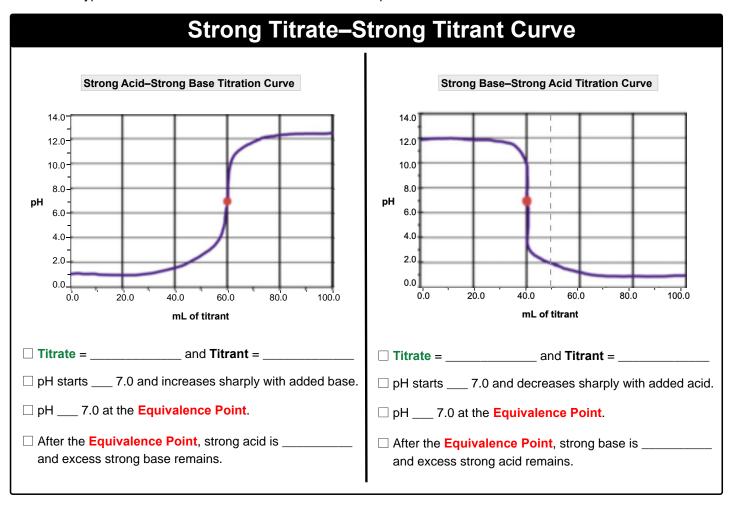
CONCEPT: STRONG TITRATE-STRONG TITRANT CURVES

• In these 2 types of titration curves both the titrate and titrant represent a _____ acid or base.



EXAMPLE: Consider the titration of 100.0 mL of 0.500 M a HBr solution with 120.0 mL of 0.450 M KOH solution. Which species would be in excess?

a) HBr

b) KOH

c) H₃O⁺

d) Not Enough Information

PRACTICE: Which combination would give a pH = 7.0 at the equivalence point?

a) HNO3 and NH3

b) HCl and NH₄⁺

c) HC₂H₃O₂ and NaOH

d) HBr and NaH