

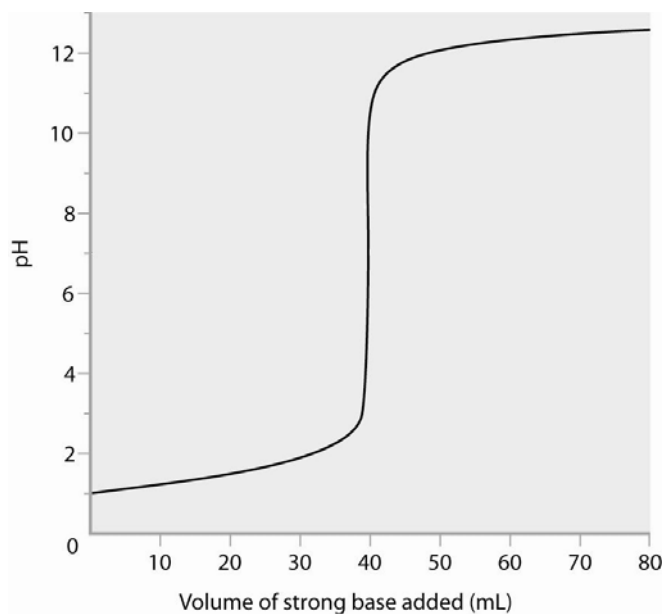
## CHAPTER 8

## ASSESSMENT

## Selecting an Indicator

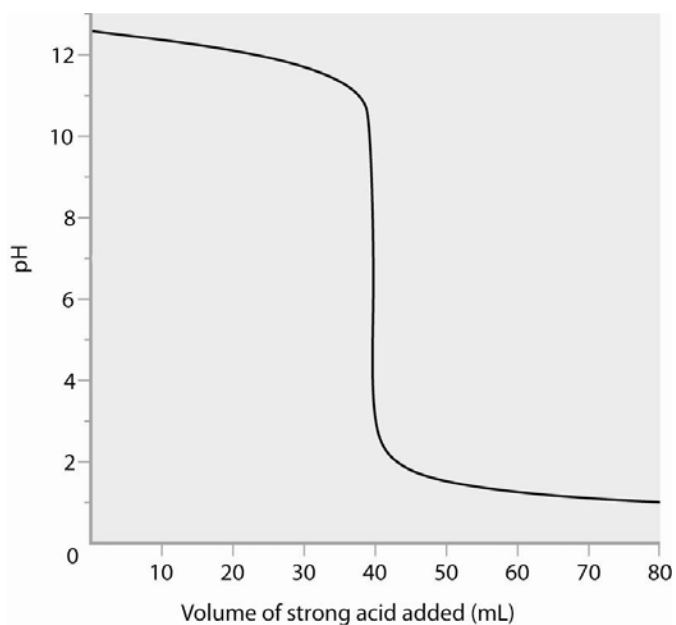
BLM 8.3.6

1. A titration is performed and the following pH curve is generated.



- (a) Select an indicator that would be appropriate to use in this titration.
- (b) What is the endpoint in this titration, given the indicator selected in part (a)?
- (c) What is the equivalence point in this titration?
- (d) What colour change would occur?

2. A titration is performed and the following pH curve is generated.



- (a) Select an indicator that would be appropriate to use in this titration.
- (b) What is the endpoint in this titration, given the indicator selected in part (a)?
- (c) What is the equivalence point in this titration?
- (d) What colour change would occur?

3. Why would bromocresol green be a poor indicator to use for either of these titrations?