

## Contents

### Week 6

Friday, November 13 - Quiz 18 . . . . .	2
---	---

## Week 6

### Friday, November 13 - Quiz 18

1. Which parameter, kinetic or thermodynamic, gives us information about the rate and mechanism of the reaction?

▷

○

2. For a reaction to be spontaneous,  $\Delta G^\circ$  must be

▷

○

3. Which part of the energy level diagram shown below, represents the kinetic component, and which represents the thermodynamic component?

▷

○

4. Which factors affect the equilibrium of a reaction?

▷

○

5. Which factors affect the rate of a reaction?

▷

○

6. A small activation energy,  $\Delta G_{\text{act}}$ , corresponds to a

▷

○

7. Which parameter, kinetic or thermodynamic, determines the equilibrium constant and how much product will form?

▷

○

8. A large and negative  $\Delta G^\circ$  will correspond to

▷

○