#### C-100 Practice Multiple Choice Question Set 2

1. When the following reaction equation is properly balanced, the number of moles of O2 will be ...

- (a) 1.5 moles
- (b) 3.5 moles
- (c) 3 modes
- (d) 5 moles
- 2. When the following reaction equation is properly balanced, the number of moles of O2 will be...

C<sub>6</sub>H<sub>14</sub> + C<sub>2</sub> ------ CO<sub>2</sub> + H<sub>2</sub>O

- (a) 1.5 moles
- (b) 13 moles
- (c) 19 moles
- (d) 38 moles
- How many moles of CO<sub>2</sub> are present in 220 mg?
  - (a) 5 moles
  - (b) 0.005 mole
  - (c) 5000 moles
  - (d) 10 moles
- 4. If the temperature of a reaction is increased by 20°C, the reaction rate will be...
  - (a) 2 times as fast.
  - (b) 4 times as fast.
  - (c) 20 times as fast.
  - (d) unchanged because the reaction rate is not dependent on the temperature.
- One mole of (NH<sub>4</sub>)<sub>2</sub>HPO<sub>4</sub> contains \_?\_ moles of hydrogen atoms.
  - (a) 1
  - (b) 5
  - (c) 6
  - (d) 9
- 6. Which of the following compounds should have the highest boiling point?
  - (a) NH<sub>3</sub>
  - (b) CH<sub>4</sub>
  - (c) H<sub>2</sub>O
  - (d) HF
- 7. The following reaction coordinate diagram represents...



- an endothermic reaction.
- (b) an exothermic reaction.

# **Static Equilibrium Multiple Choice Questions**

**Bekir Karaoglu** 

# **Static Equilibrium Multiple Choice Questions:**

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