**Mini-quiz #22 Chemistry 1114 section 2 (Fong) 22 October 2014 5 pts A**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **A Bronsted Base is a(n)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **According to the Bronsted model CO32- creates OH‑ according to what reaction ?**
3. **What is the name of the reaction above ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **What are the conjugate acid (CA) and conjugate base (CB) in the reaction below:**

**HPO42- + CO32- 🡪 PO43- + HCO3-**

**CA=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ `CB= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Mini-quiz #22 Chemistry 1114 section 2 (Fong) 22 October 2014 5 pts B**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **According to the Bronsted model SiO3 2- creates OH‑ according to what reaction ?**
2. **What is the name of the reaction above ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **What are the conjugate acid (CA) and conjugate base (CB) in the reaction below:**

**PO43- + HCO3- 🡪 HPO43- + CO32-**

**CA=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CB= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **A Bronsted base is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Mini-quiz #22 Chemistry 1114 section 2 (Fong) 22 October 2014 5 pts C**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **What are the conjugate acid (CA) and conjugate base (CB) in the reaction below:**

**HPO32- + SO3-2 🡪 PO33- + HSO3-**

**CA=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CB= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **A Bronsted base is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **The basic species CO32- creates OH- according to what reaction ?**
3. **What is the name of the reaction above ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**