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

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

1. **A Bronsted Base is a(n)\_\_\_\_\_\_\_\_\_proton acceptor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **According to the Bronsted model CO32- creates OH‑ according to what reaction ?**

**CO32- + H2O 🡪 HCO3- +OH-**

1. **What is the name of the reaction above ? \_\_\_\_\_\_hydrolysis\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **What are the conjugate acid (CA) and conjugate base (CB) in the reaction below:**

**HPO42- + CO32- 🡪 PO43- + HCO3-**

**CA=\_\_\_\_\_\_ HCO3-\_\_\_\_\_\_\_\_\_\_\_ CB= \_\_\_\_\_ PO43- \_\_\_\_\_\_\_\_\_\_\_\_**

**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 ?**

**SiO­32- + H2O 🡪 HSiO­3- + OH-**

1. **What is the name of the reaction above ? \_ hydrolysis\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **What are the conjugate acid (CA) and conjugate base (CB) in the reaction below:**

**PO43- + HCO3- 🡪 HPO43- + CO32-**

**CA=\_\_\_\_\_ HPO43-\_\_\_\_\_\_\_\_\_\_\_\_ CB= \_\_\_\_\_ CO32- \_\_\_\_\_\_\_\_\_\_\_\_**

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

**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=\_\_\_\_\_\_ CO32- \_\_\_\_\_\_\_\_\_\_\_ CB= \_\_\_\_\_\_ PO33- \_\_\_\_\_\_\_\_\_\_\_**

1. **A Bronsted base is a(n) \_\_\_proton acceptor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **The basic species CO32- creates OH- according to what reaction ?**

**CO32- + H2O 🡪 HCO3- + OH‑**

1. **What is the name of the reaction above ? \_\_\_hydrolysis\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**