**Mini-quiz #24 Chemistry 1114 section 2 (Fong) 3 Nov 2014 4 pts A**

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

1) At constant force, the higher the area it is applied over the \_\_\_\_\_\_\_\_lower\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the pressure, P.

2) Given: 1 atmosphere =760 mm Hg = 15 psi (pounds /in2)

a) How many atm in 750 mm Hg ? 750 mm Hg = \_\_\_\_\_0.986\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ atm

b) How many psi are in 750 mm Hg ? 750 mm Hg = \_\_\_\_\_\_14.8\_\_\_\_\_\_\_\_\_\_\_\_\_ psi

**Mini-quiz #24 Chemistry 1114 section 2 (Fong) 3 Nov 2014 4 pts B**

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

1) At constant force, the lower the area it is applied over the \_\_\_\_higher\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the pressure, P.

2) Given: 1 atmosphere =760 mm Hg = 15 psi (pounds /in2)

a) How many atm in 1100 mm Hg ? 1100 mm Hg = \_\_\_\_1.447\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ atm

b) How many psi are in 1100 mm Hg ? 1100 mm Hg = \_\_\_\_\_\_21.705\_\_\_\_\_\_\_\_\_\_\_\_\_\_ psi

**Mini-quiz #24 Chemistry 1114 section 2 (Fong) 3 Nov 2014 4 pts C**

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

1) At constant area, the lower the force applied over, the \_\_\_\_\_\_\_\_lower\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the pressure, P.

2) Given: 1 atmosphere =760 mm Hg = 15 psi (pounds /in2)

a) How many atm in 50 mm Hg ? 50 mm Hg = \_\_0.0658\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ atm

b) How many psi are in 50 mm Hg ? 50 mm Hg = \_\_\_\_\_0.987\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ psi