**CHEM 1114**

**Challenge problem 3a,3b**

**Due Friday 19 October 2012 in class**

**(6 pts/3 pts each)**

**Challenge 3a: text Problem 110, page 143**

**Challenge 3b:**

**If we burn 1.0 g AsX5 in O2 the arsenic (As) releases all the X and forms a pure arsenic oxide, As2O3 by consuming 0.09516 g O and expelling 0.7028 g X**

**as X2. Given that X is a halogen, use the data provided to identify it. (Show work !)**