# CHEMISTRY 101 Practice Exam 1 DR. PECK

- Directions: (1) Choose the best answer for each multiple choice question (numbers 1 15).

  Transfer your multiple choice answers onto the scantron.
  - (2) Do not separate any of the pages. When finished, give the proctor at the front of the room both the exam and the completed scantron. Cover your exam and your work whenever possible.

NAME _			
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(NOTE: This practice exam does not contain questions based upon topics from Chapter 5. The actual exam may or may no depending upon our ability to cover Chapter 5 in lecture before the date of the first exam.)

- Which one of the following is a weak acid?
   (a) HBr
   (b) HClO<sub>4</sub>
   (c) HNO<sub>3</sub>
   (d) HCl
   (e) HClO<sub>2</sub>
- What is the oxidizing agent in the following reaction?

$$6KOH(aq) + 3Cl_2(g) \rightarrow KClO_3(aq) + 5KCl(aq) + 3H_2O(1)$$
(a)  $KOH$  (b)  $KCl$  (c)  $KClO_3$  (d)  $Cl_2(e) H_2O$ 

 Balance the following equation with the smallest whole number coefficients. What is the coefficient for HCl in the balanced equation?

$$SnS_2 + HCl \rightarrow H_2SnCl_6 + H_2S$$
(a) 4 (b) 6 (c) 3 (d) 12 (e) 2

 Classify the following reaction by giving all of these reaction type(s) that apply.

I. redox IV. displacement	II. combination V. metathesis	III. decomposition
2PbO(s) +	$O_2(g) \rightarrow 2PbO_2(s)$	
(a) I and V (b) onl	v II (c) I and II (d) only III	(e) only V

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