Announcements - Lecture VI- Thursday, Sep 18th

Unassigned iClickers

80489B53

80B5CDF8

8FA3B894

91C29DCE

9638923C

No	iCI	ickei	r Reg	iste	red

SID	Last	First
24766907	Johnsen	Carl
26036657	O'Dea	Derek
28803233	Hebert	Alexis
29286876	Weil	Alexandra



Announcements - Lecture VI- Thursday, Sep 18th

- 1. First Lab Saturday, September 20th ... 1-4pm ... ISB 155/160 (A-E)
 - a) Read the Lab Policy prior to the this lab.
 - b) Print lab prior to coming to lab -- use the 'Print Friendly Version' located on the top left hand side of the page this is the version that contains the 'Data Sheet' that you will hand in upon completing the lab.
 - c) Review the sample quiz on class web site a short 6 question quiz will be administered at the start of the lab questions taken from the sample questions.
- 2. Exam I Tuesday, September 30th In Class



Balance the following chemical equation:

$$\frac{\lambda}{2}$$
 Fe₂O₃(s) + $\frac{3}{2}$ C(s)

$$\frac{4}{2}$$
 Fe(s) + $\frac{3}{2}$ CO₂(g)

Reactants /						
Fe	2	2	4	4	4	
0	3	3	6	6	6	
С	1	I	١		3	

Balance the following chemical equation:

$$C_2H_6(g) + \frac{\frac{1}{2}}{2}O_2(g)$$

$$\frac{2}{2}$$
 CO₂(g) + $\frac{3}{2}$ H₂O(l)

Re	acta	nts		1	
С	2	2	2	2	
Н	6	6	6	6	
0	2	2	2	7	

$$C_2H_6(g) + \sqrt{\frac{1}{2}}D_2(g) = 2CO_2(g) + 3H_2O(p)$$

$$2 C_2 H_6(g) + 7 O_2(g) = 4 CO_2(g) + 6 H_2O(g)$$

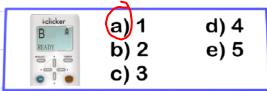


- a) 1
- d) 4 e) 5
- b) 2
- c) 3

Balance the following chemical equation:

$$_AgNO_3(aq) + _K_2CrO_4(aq)$$

$$\frac{?}{A}g_2CrO_4(s) + \underline{KNO_3(aq)}$$



Balance the following chemical equation:

$$\frac{2}{4}$$
 AgNO₃(aq) + $\frac{1}{4}$ K₂CrO₄(aq)

$$\frac{?}{!}$$
Ag₂CrO₄(s) + $\frac{2}{!}$ KNO₃(aq)

Products			/	
Ag	2	2	2	
NO ₃	I	1	2	
K	J	1	2	
CrO ₄	1	1	}	

Polatomic 1000s ... when Romaining intact ... leat as a single entity.

When the following chemical equation is balanced, the coefficient in front of the oxygen is:

$$C_2H_4(g) + \frac{3}{2}O_2(g) = \frac{2}{2}CO_2(g) + \frac{2}{2}H_2O(g)$$



- a) 1
- d) 4 e) 5
- (c)3

2.6 How Are the Electrons in an Atom Arranged?

A Orbital Shapes

n	Orbitals		#	Label
1	1	Sphere	1	15
გ	4	Sphere (larger)	1	2,5
		"299 timer"	3	2p

2.6 How Are the Electrons in an Atom Arranged?

A Orbital Shapes

n	Orbitals		#	Label
		Sphere	1	35
3	q	'Lagg timer'	3	3p
		***	5	3d
		'4 leafed clover'		