

Tuesday, November 25/14
Science 10

1. **Test: Chemistry Unit - Tomorrow**
 2. Check -> Worksheet: Practice Multiple Choice and More
 3. Experiment: Type of Reactions, Gas Collection and More!
Lab Sheet - Due Thursday
-
4. Factors Affecting Rates of Reaction - **Pass in For Marking Friday**
 5. Unit 3 - Physics
 6. Pre-Assessment

1. D Sr^{2+}

* 2. C
anion (cation) negative ion positive ion
 Na_2S (S²⁻)

3. A
 $\frac{9+}{(1+)} \quad \text{Aluminum fluoride } (Al^{3+}, F_2^{-})$
 $\frac{+2 \quad -2}{} = 0$

lithium bromide $Li^+ Br^-$
 $(+)(-) = 0$

4. B. lithium bromide

5. B $Na_2(SO_4)$

Na_2SO_4

6. A. magnesium and fluorine
metal nonmetal

7. D
diatomic
 (V_2O_5)

8. C. $SiCl_4$

9. D
silicon monochloride
 $SiCl_4$

10. B. $\begin{matrix} \square C \\ \square H \\ \square O \end{matrix} \quad \begin{matrix} \square C \\ \square H \\ \square O \end{matrix}$

11. B.
12. D
* 13. B
D. $\begin{matrix} \square C \\ \square H \\ \square O \end{matrix} \rightarrow \begin{matrix} - + - \\ \square \end{matrix}$
D. $\begin{matrix} \square C \\ \square H \\ \square O \end{matrix} \rightarrow \begin{matrix} - + - \\ \square \end{matrix}$

14. D.
B) $H_2O + Na \rightarrow NaOH + H_2$
 $2H \quad 3H$
D) $H_2O + H_2 \rightarrow H_2O + H_2$
 $4H \quad 4H$

cadmium ion	Cd	48	46	lost 2e	2+
manganese atom	Mn	25	25	0	—
germanium ion	Ge	32	24	lost 4e	4+
oxide ion	O	8	10	gained 2e	2-