

**Year 12 Chemistry Semester One Exam Revision**  
**Mastery Test : Dot diagrams**

Name: \_\_\_\_\_

Draw electron dot diagrams for the following species:

1. CO

2.  $\text{MgCO}_3$

3.  $\text{NH}_3$

4.  $\text{H}_2\text{S}$

5.  $\text{MgCl}_2$

6.  $\text{BH}_3$

7.  $\text{O}_2$

8.  $\text{CH}_3\text{CH}_3$

9.  $\text{SO}_4^{2-}$

10.  $\text{CF}_4$

11.  $\text{SO}_2$

12.  $\text{NH}_4^+$

**SOLUTIONS**  
**Year 12 Chemistry Semester One Exam Revision**  
**Mastery Test : Dot diagrams**

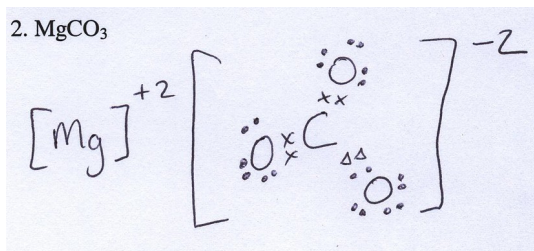
Name: \_\_\_\_\_

Draw electron dot diagrams for the following species:

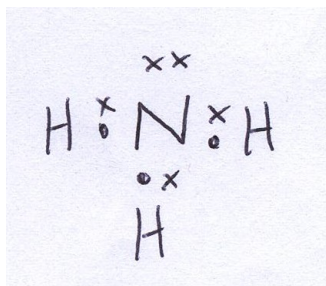
1. CO



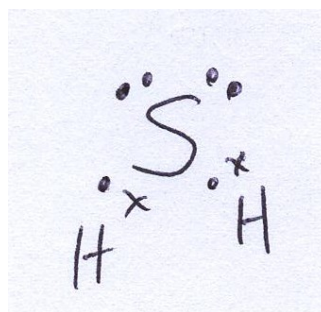
2.  $\text{MgCO}_3$



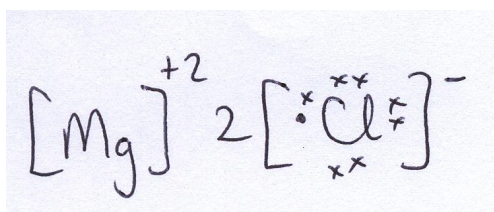
3.  $\text{NH}_3$



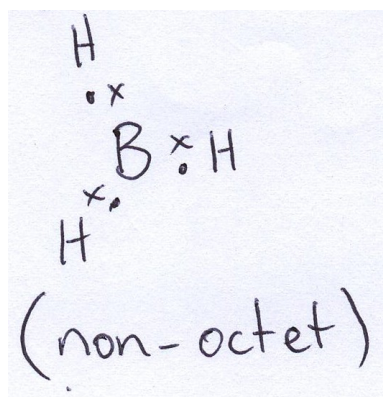
4.  $\text{H}_2\text{S}$



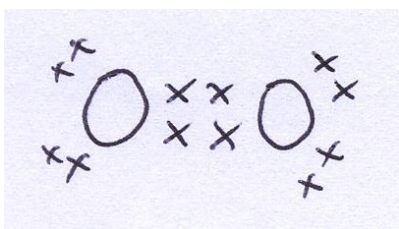
5.  $\text{MgCl}_2$



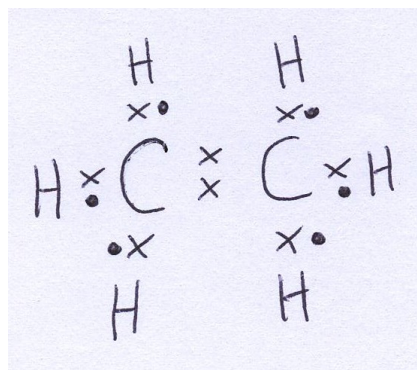
6.  $\text{BH}_3$



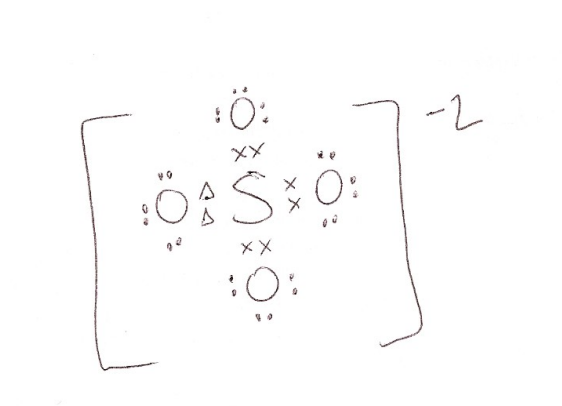
7.  $\text{O}_2$



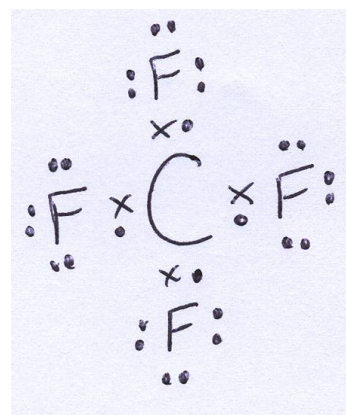
8.  $\text{CH}_3\text{CH}_3$



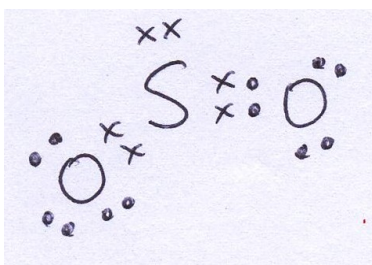
9.  $\text{SO}_4^{2-}$



10.  $\text{CF}_4$



11.  $\text{SO}_2$



12.  $\text{NH}_4^+$

