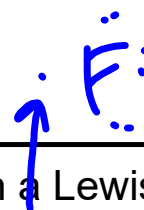


# Review:

1. What atom(s) can never be the central atom(s) in a Lewis structure?
  
2. Name the following compounds:
  - a.  $P_2S_5$
  - b.  $CaSO_4$
  - c.  $Al_2S_3$
  
3. Write the formula for the following compounds:
  - a. Silicon dioxide
  - b. magnesium hydroxide
  - c. titanium (II) chloride

# Review:



1. What atom(s) can never be the central atom(s) in a Lewis structure?

Hydrogen, Halogens

2. Name the following compounds:

a.  $\text{P}_2\text{S}_5$  diphosphorus pentasulfide

b.  $\text{CaSO}_4$  Calcium sulfate

c.  $\text{Al}_2\text{S}_3$  Aluminum sulfide

3. Write the formula for the following compounds:

a. Silicon dioxide  $\text{SiO}_2$

b. magnesium hydroxide

c. titanium (II) chloride  $\text{Mg}(\text{OH})_2$

$\text{TiCl}_2$

# Jokes of the Day

What are a ghost's favorite kind of streets?

--dead ends

What's a mummy's favorite type of music?

--wrap

Why did the skeleton give the dog a bone?

-- he had spare ribs

What's a monster's favorite bean?

-- a human bean

# IONIC OR COVALENT?

*COMPOUND WITH A METAL AND NONMETAL*

# IONIC OR COVALENT?

*COMPOUND WITH A METAL AND NONMETAL*

**IONIC**

# IONIC OR COVALENT?

*USE PREFIXES TO NAME*

# IONIC OR COVALENT?

*USE PREFIXES TO NAME*

**COVALENT**

# IONIC OR COVALENT?

*POOR CONDUCTORS*



# IONIC OR COVALENT?

*POOR CONDUCTORS*

**COVALENT**

# IONIC OR COVALENT?

*HIGH MELTING POINT*

# IONIC OR COVALENT?

*HIGH MELTING POINT*

**IONIC**

# IONIC OR COVALENT?

*CRYSTAL LATTICE STRUCTURE*

# IONIC OR COVALENT?

*CRYSTAL LATTICE STRUCTURE*



**IONIC**

# IONIC OR COVALENT?

*CAN HAVE POLAR BONDS*

# IONIC OR COVALENT?

*CAN HAVE POLAR BONDS*

**COVALENT**

# IONIC OR COVALENT?

*HAS SHARED PAIRS AND LONE PAIRS IN  
ITS STRUCTURE*



# IONIC OR COVALENT?

*HAS SHARED PAIRS AND LONE PAIRS IN  
ITS STRUCTURE*

**COVALENT**

# IONIC OR COVALENT?

*TRANSFERS ELECTRONS*

# IONIC OR COVALENT?

*TRANSFERS ELECTRONS*

**IONIC**

# AGREE OR DISAGREE?

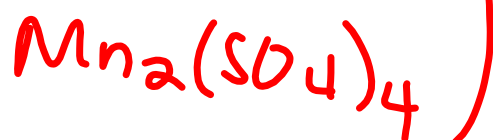
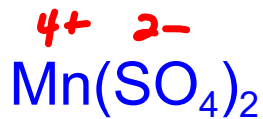
MANGANESE (IV) SULFATE



# AGREE OR DISAGREE?

**AGREE**

MANGANESE (IV) SULFATE



# AGREE OR DISAGREE?

ALUMINUM (III) CHLORIDE



# AGREE OR DISAGREE?

ALUMINUM ~~(III)~~ CHLORIDE



**DISAGREE**

# AGREE OR DISAGREE?

PHOSPHORUS TETRACHLORIDE





**AGREE OR DISAGREE?**

**DISAGREE**

PHOSPHORUS <sup>penta</sup>~~TETRA~~CHLORIDE

