

October 4, 2017 Day 4

Intro DA

Convert 3.59 ft to in

$$? \text{ in} = \frac{3.59 \text{ ft}}{1} \cdot \frac{12 \text{ in}}{1 \text{ ft}} = \boxed{43.1 \text{ in}}$$

Convert 2.00 in to ft.

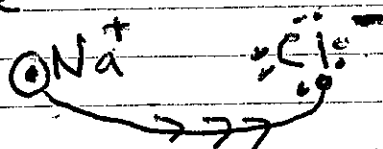
$$? \text{ ft} = \frac{2.00 \text{ in}}{12 \text{ in}} \cdot \frac{1 \text{ ft}}{1} = \boxed{0.167 \text{ ft}}$$

Intro to Ionic Bonding

Ionic Bond \equiv A bond formed
by the transferring of e^-



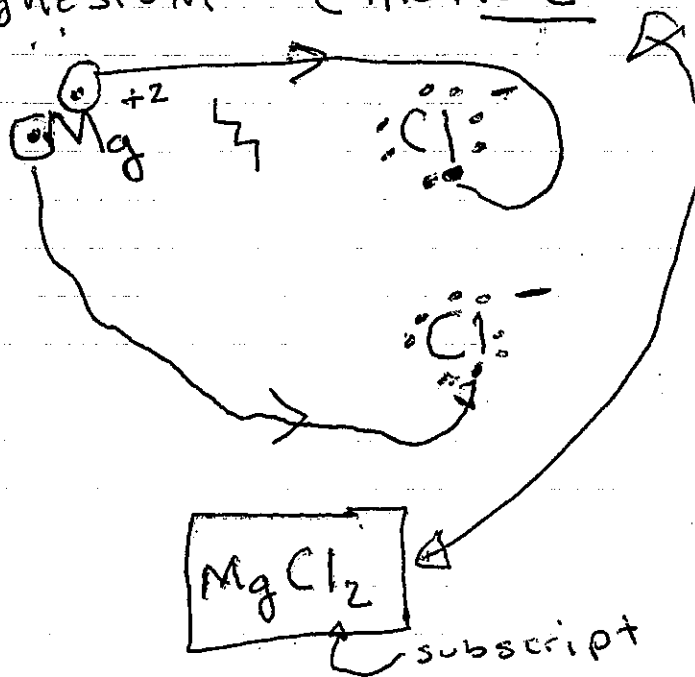
Example



$\boxed{\text{NaCl}}$

Sodium chloride

Magnesium Chloride



Oct 5 Day 5

Convert 2.00 years to sec. Ans in Sci Not.

$$? \text{ sec} = 2.00 \text{ years} \left| \frac{365 \text{ days}}{1 \text{ year}} \right| \frac{24 \text{ hr}}{1 \text{ day}} \left| \frac{60 \text{ min}}{1 \text{ hr}} \right|$$

$$\frac{60 \text{ sec}}{1 \text{ min}} = \boxed{6.31 \times 10^7 \text{ sec}}$$

Convert 2.00 sec to years

$$? \text{ years} = 2.00 \text{ sec} \left| \frac{1 \text{ min}}{60 \text{ sec}} \right| \frac{1 \text{ hr}}{60 \text{ min}} \left| \frac{1 \text{ day}}{24 \text{ hr}} \right| \frac{1 \text{ year}}{365 \text{ day}}$$

$$= \boxed{6.34 \times 10^{-8} \text{ year}}$$

Ionic Bonding

Li⁺

Be⁺²

Na⁺

Mg⁺²

K⁺

Ca⁺²

↓

↓

Ag⁺¹ Zn⁺² Al⁺³

N⁻³

O⁻²

F⁻

P⁻³

S⁻²

Cl⁻

↓

↓

Br⁻

↓

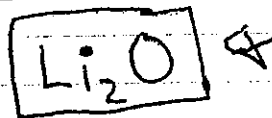
1. I
2. II
3. III
4. IV
5. V

6. VI
7. VII
8. VIII
9. IX
10. X

Titanium (III)
 Ti^{+3}

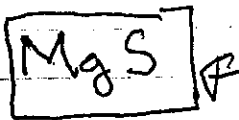
lithium oxide

Li^+ O^{-2}
 Li^+

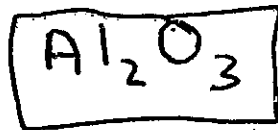
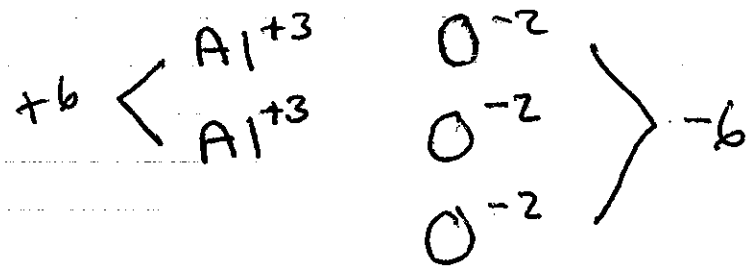


magnesium sulfide

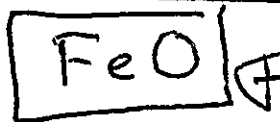
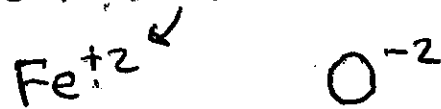
Mg^{+2} S^{-2}



Aluminum Oxide

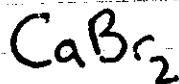
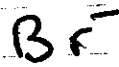
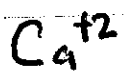


Iron (II) oxide

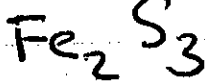
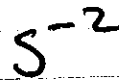
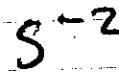
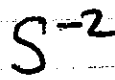
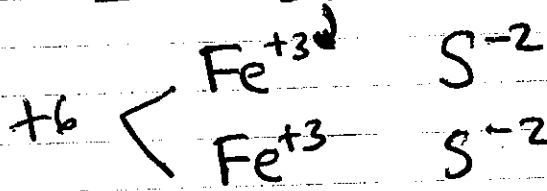


Day 6 October 6

Calcium bromide



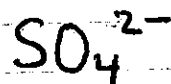
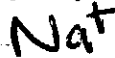
Iron(III) sulfide



Polyatomic ions \equiv a group of atoms that share a charge

Example: Sulfate SO_4^{2-}

Sodium sulfate



Don't mess w/ the name of a polyatomic

10/10/17

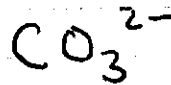
Day 8

Polyatomics

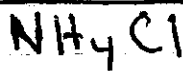
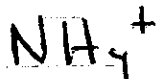
Sodium carbonate



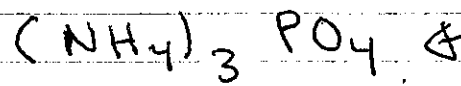
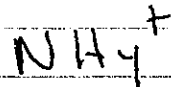
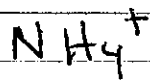
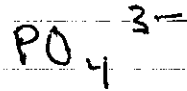
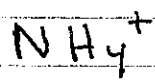
Iron (III) carbonate



ammonium chloride



ammonium phosphate



Iron (II) hydroxide

