We have a big test Friday. To study you should RE DO your old worksheets until they are ridiculously easy.

Purpose:

How do we draw Lewis Dot structures for ions?

WARMUP

A neutral molecule of H₂CO has 12e-

#1 How to count the valence e- for an ion:

The number of valence e- in NO₃ is _____

The number of valence e- in N₂H₆²⁺ is _

5+5+1+1+1+1+1+1-2=

#2 How to draw the Lewis dot structure of an ion

Example: Draw the structure of CO₃²⁻

find valence e ::
4+6+6+6+2=24e

:Ö::Ç:ö:

Example: Draw the structure of BF4+

#3 3+7+7+7-1=30e-

:F:B:F:

Friday's Test

Covers the last three weeks. Covers all the 'patterns' sheets.

You are allowed to bring your movie notes sheet IF you don't write a bunch of other stuff on it.

If you were absent, get a blank movie notes sheet and copy the notes from a friend OR watch the movie at genest.weebly.com

#1 How to count the valence e- for an ion:

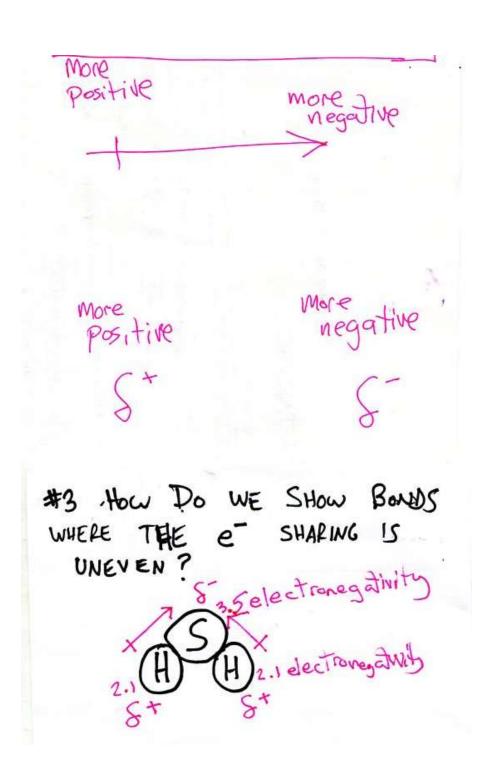
The number of valence e- in NO₃- is

The number of valence e- in $N_2H_6^{2+}$ is

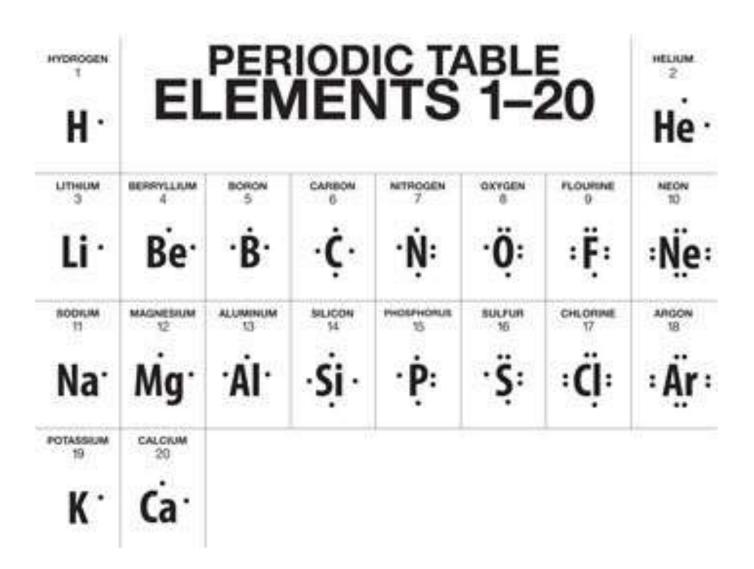
#2 How to draw the Lewis dot structure of an ion

Example: Draw the structure of CO₃²-

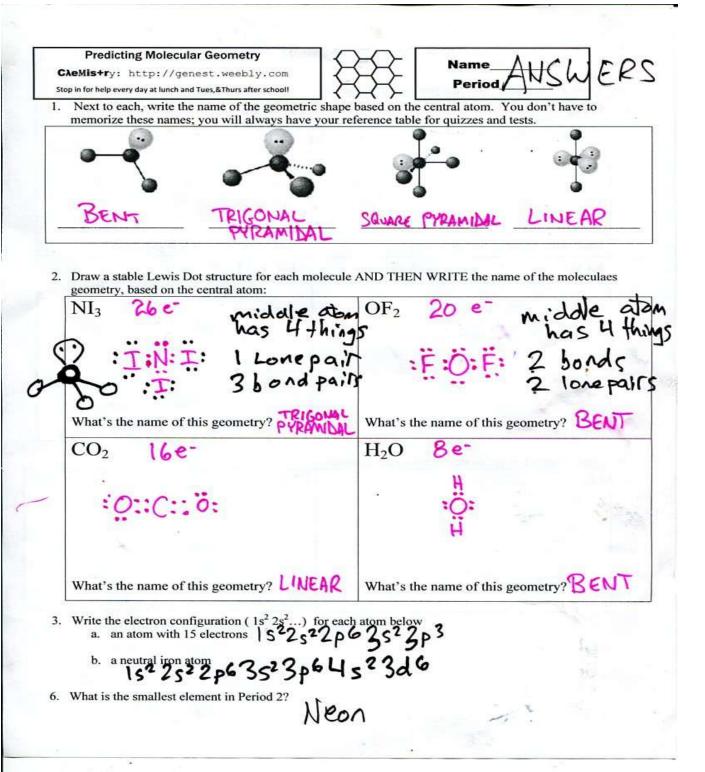
#3 The following two symbols show which end of a bond has more e-:



Remember the shortcut for finding valence electrons. (This only works for a neutral atom.):



homework answers



		-
Q	Draw a stable Lewis Dot structure for each tho	advision.
0.	Diaw a stable Lewis Dot structure for each mor	ecuie:

 B. Draw a stable Lewis Dot structure for each molec 	ule:
CH ₄ H	НССН
н : ¿: н	H: C:::C: H
What's the name of this geometry?	What's the name of this geometry?
SO2 6+6+6 = 18e-	H ₂ CCH ₂
:Ö: S::Ö	H:G::c:H
	*
	TRIGONAL
What's the name of this geometry? BENT	What's the name of this geometry? PLANER

4. Draw a stable Lewis Dot structure for each molecule

N_2	O_3
:N:::N:	Ö::0:
	Louis

ANSWERS