Oxygen:					
symbol		atomic number			
protons			_electrons		
electron distribution	on				
Oxygen has	_ valence	electrons.			
Electron Dot Diagram -	atom's to repres	sent its	surrounded by electrons		
example electron dot diag	grams:	0	Li		
Problem Set 1:					

Most atoms need \_\_\_\_\_\_ valence electrons to become stable. The exceptions are H and He which need only \_\_\_\_\_\_ valence electrons to be stable.

Lewis structure for H<sub>2</sub> H - H shared pair • 2 electrons belonging to both \_\_\_\_\_ • represented by a \_\_\_\_\_ between symbols Lewis structure for Cl<sub>2</sub> : Each Cl atom has \_\_\_\_\_ valence electrons, giving a total of \_\_\_\_\_\_ valence electrons to work with. pair • Cl - Cl • unshared pair • electrons belonging to only one \_\_\_\_\_ • represented by 2 dots Lewis structure for HCl: H Cl

When more than two atoms bond, you must determine which is central. The central atom is:

- frequently \_\_\_\_\_
- never \_\_\_\_\_
- often atom with \_\_\_\_\_ electronegativity

Lewis structure for CH<sub>3</sub>I: (There are a total of \_\_\_\_\_ valence electrons to work with.)

Problem Set 2:

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Lewis structure of ethene, C2+	4 (has total of	valence electrons)
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type of bond	pairs of electrons shared		

Problem Set 3:



## The Chemistry Quiz

CR1.	CR2.	1.	2.	3.	4.	5.

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