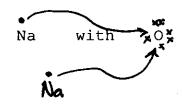
Name	:		

SCH 4C Bonding Quiz

- For each of the following pairs of elements: 1.
- a) determine if each pair of elements will form ionic or covalent bonds (consider whether that atoms are metallic or ionic), also do a AEN calculation
- if ionic: b)
 - show neutral lewis dot diagrams
 - add arrows to show how the electron will move
 - draw in extra atoms if necessary
 - draw the resulting ions, complete with empty or full valence shell, brackets and charge
 - chemical formula
 - be sure to use different symbols for the electrons of different elements
- a) if covalent:
 - draw a good diagram with extra atoms as needed to show how sharing in covalent bonds works
 - add circles to show the satisfied octets or duets in the case of helium like elements
 - state the type of covalent bonds (i.e. single, double and how many)
 - show the chemical formula



$$)$$
EN = 3.44 - 0.93
= 2.51

with

needs 3 x.3

= 0.84

three single bonds NH3



two single lands H,0

) EN =
$$3.04 - 0.89$$

= 2.15
.C with $*S*$
needs + needs 2
 $\times 2$

$$)$$
 EN = 2.58 - 2.55 = 0.03

