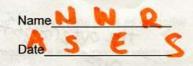
EHS CA3MIs+ry Mr. Genest





1. How many valence e- are in an atom that is 1:

2. Which electrons are usually involved in forming a bond between two nonmetal atoms? ONLY VALENCE

AMMONIA

1. For the molecule shown here,

a. What is the formula of the substance? (e.g. the formula of water would be written H2O) NH 3

b. how many bonds does it have? three

c. altogether, how many e- are in bonds? SIX

d. altogether, how many e- are nonbonding? TWO

e. how many valence e- altogether?

2. For the molecule shown here,

a. What is the formula of the substance?
b. how many bonds does it have?

c. altogether how many e- are in bonds?

d. altogether, how many e- are nonbonding?
e. how many valence e- altogether?

twenty four

3. For the molecule shown here,

a. What is the formula of the substance?
 b. how many bonds does it have?

altogether, how many e- are in bonds?

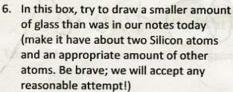
altogether, how many e- are nonbonding?

e. how many valence e- altogether?

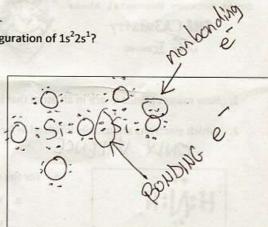
EIGHTEEN

4. Where in an atom are valence exfound? SHELL

5. How many valence e- are in an atom with e- configuration of 1s²2s¹? ONE



- a. In your drawing, label one of the bonding electrons
- b. Label one of the nonbonding electrons.



7. For the molecule shown here,

a. What is the formula of the substance?
b. how many bonds does it have?
c. altogether, how many e- are in bonds?

d. altogether, how many e- are nonbonding?

40 e. how many valence e- altogether?

H:0:0:H

8. Make a guess what you think the electron structure of hydrogen peroxide might look like. The formula of hydrogen peroxide is HOOH. You may base it on the structure that you already know for water in the previous problem.

9. Translate the Lewis dot structure into a line structure

10. Translate th Lewis dot st	e line structure into a ructure
:ö=ö-ö:	:0::0:0:
10=0-01	N. A.