

- We can predict the number of bonds and *nonbonding electrons* in a molecular compound.

- **Lone Pair:** A pair of \_\_\_\_\_ electrons.

☐ **Rule 1: Group 1A - 4A:** number of bonds = \_\_\_\_\_ number.

- EXAMPLE:** How many bonds and lone pairs are typically found around Oxygen atom?

a) 6, 0

b) 2, 2

c) 3, 1

d) 1, 3

**PRACTICE:** How many bonds and nonbonding electrons can be found around Si atoms?

a) 4, 4

b) 2, 4

c) 3, 2

d) 4, 0

**PRACTICE:** How many bonds and lone pairs can be found around Mg atoms?

a) 2, 1

b) 2, 0

c) 3, 1

d) 3, 0