

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 5C – Basic Covalent Bonding

20 Points

Answer the following questions

What is a covalent bond?	What is a diatomic element?

Complete the dot and structural formula for the following diatomic elements.

Diatomic Fluorine (F ₂)	Diatomic Chlorine (Cl ₂)
Diatomic Element Dot Structure	Diatomic Element Dot Structure
F F	Cl Cl
Diatomic Element Structural Formula	Diatomic Element Structural Formula
F F	Cl Cl

Complete the dot and structural formula for the following simple molecules elements.

Water (H ₂ O)	NH ₃ (Ammonia)
Diatomic Element Dot Structure	Diatomic Element Dot Structure
H O	H N H
	H
Diatomic Element Structural Formula	Diatomic Element Structural Formula
H O	H N H
	H