

Name: _____

Phusi 4 Practice 1
LE 5.7 Content (bonding)

1. Represent an atom of **Sodium (Na)** and an atom of **Chlorine (Cl)** and the bonding between them.

	1. type of atom: (metal / nonmetal?)	2. type of atom:	3. type of bond:
Shell Box Diagram	4. 6. sodium atom "wants" to share/gain/lose ____ e^-	5. 7. chlorine atom "wants" to share/gain/lose ____ e^-	8.
Lewis Dot Diagram			
In each diagram above, (atom, atom, bonded) indicate which electrons are shared or transferred (using a highlighter would be nice)			
Simplified Lewis Dot (n/a for ionic)			

2. Represent an atom of **Hydrogen (H)** and an atom of **Fluorine (F)** and the bonding between them.

	1. type of atom:	2. type of atom:	3. type of bond:
Shell Box Diagram	4. 6. hydrogen atom "wants" to share/gain/lose ____ e^-	5. 7. fluorine atom "wants" to share/gain/lose ____ e^-	8.
Lewis Dot Diagram			
In each diagram above, (atom, atom, bonded) indicate which electrons are shared or transferred (using a highlighter would be nice)			
Simplified Lewis Dot (n/a for ionic)			

3. Represent an atom of **Chlorine (Cl)** and an atom of **Chlorine (Cl)** and the bonding between them.

	1. type of atom:	2. type of atom:	3. type of bond:
Shell Box Diagram	4. 6. chlorine atom "wants" to share/gain/lose ____ e^-	5. 7. chlorine atom "wants" to share/gain/lose ____ e^-	8.
Lewis Dot Diagram			
In each diagram above, (atom, atom, bonded) indicate which electrons are shared or transferred (using a highlighter would be nice)			
Simplified Lewis Dot (n/a for ionic)			

4. Represent an atom of **Magnesium (Mg)**, an atom of **Oxygen (O)** and the bonding between them.

	1. type of atom:	2. type of atom:	3. type of bond:
Shell Box Diagram	4. 6. magnesium atom "wants" to share/gain/lose ____ e^-	5. 7. oxygen atom "wants" to share/gain/lose ____ e^-	8.
Lewis Dot Diagram			
In each diagram above, (atom, atom, bonded) indicate which electrons are shared or transferred (using a highlighter would be nice)			
Simplified Lewis Dot (n/a for ionic)			