

Lewis Dot Diagrams

**Atoms with a completely full or completely empty** valence shell of electrons are **very stable**, this is called the \_\_\_\_\_ rule. This is also called the \_\_\_\_\_ gas configuration of the atom

**Atoms without** this configuration of electrons are \_\_\_\_\_ and are very \_\_\_\_\_.

Instructions

- Draw Lewis dot diagrams for the following atoms and ions.

(a) F <sup>-1</sup>	(g) Ne	(m) P <sup>-3</sup>
(b) F <sup>+1</sup>	(h) Br <sup>-1</sup>	(n) Cl <sup>-1</sup>
(c) Na	(i) Mg <sup>+2</sup>	(o) P <sup>-2</sup>
(d) Na <sup>-1</sup>	(j) Mg <sup>+2</sup>	(p) Ca <sup>+1</sup>
(e) Na <sup>+1</sup>	(k) Mg	(q) Ca <sup>+2</sup>
(f) Ne <sup>+1</sup>	(l) Mg <sup>-1</sup>	(r) Cs <sup>+1</sup>