## LEWIS STRUCTURE EXAMPLES

EXAMPLE	STEP 1 - Identity of central atom	STEP 2 - Total number of valence electrons (show work)	STEP 3 - Electron pair placed in each bond	STEP 4 - Complete octet of atoms bonded to central atom	STEP 5 - Place any remaining electron pair around central atom	STEP 6 - Use double and triple bonds where needed to ensure central atom has (at least) an octet.	FINAL ANSWER
N <sub>2</sub> O <sub>4</sub> dinitrogen textraoxide	N - N						
PH <sub>3</sub> phosphine							
CO <sub>3</sub> <sup>2-</sup> cabonate ion							
SF <sub>6</sub> sulfur hexaflouride							
XeF <sub>4</sub> xenon trtraflouride							
NO <sub>2</sub> - nitrite ion							
C <sub>2</sub> H <sub>5</sub> OH ethanol							

## LEWIS STRUCTURE EXAMPLES

EXAMPLE	STEP 1 - Identity of central atom	STEP 2 - Total number of valence electrons (show work)	STEP 3 - Electron pair placed in each bond	STEP 4 - Complete octet of atoms bonded to central atom	STEP 5 - Place any remaining electron pair around central atom	STEP 6 - Use double and triple bonds where needed to ensure central atom has (at least) an octet.	FINAL ANSWER
NH <sub>3</sub> ammonia							
CO <sub>2</sub> carbon dioxide							
PCI <sub>5</sub> phosphorous pentachloride							
CIO <sub>2</sub> <sup>1</sup> -chlorite ion							
SO <sub>3</sub> sulfur trioxide							
BeCI <sub>2</sub> beryllium dichloride							
BCI <sub>3</sub> boron trichloride							