Honors Chemistry: Bonding 4-6 Problem Set-Lewis Structures

<i>Directions:</i> For each of the following determine the bond type, draw the Lewis structure, calculate the formal charge on <i>each</i> atom, and determine the shape, bond angle, and polarity.	
1) Methane (CH ₄)	6) Ammonium
2) Ammonia	7) Hydronium
3) Carbon tetrachloride	8) Nitrogen trifluoride
4) Phosphorus trichloride	9) Aluminum tetrachloride (-1 anion)
5) Carbon dioxide	10) Phosphorus pentachloride