

① ionic - metal + nonmetal
- electron transfer

molecular - nonmetal + nonmetal
- electron sharing

② • nonmetals
• sharing electrons
• covalent bonds

③ • 7 valence electrons
• share 1



④ top right corner

- ⑤
- a) calcium tetrabromide
 - b) nitrogen triiodide
 - c) oxygen difluoride
 - d) silicon tetrachloride
 - e) diphosphorous pentoxide

- ⑥
- a) SiO_2 silicon dioxide
 - b) NH_3 nitrogen trihydride (ammonia)
 - c) PCl_3 phosphorous trichloride
 - d) SBr_2 sulfur dibromide
 - e) CCl_4 carbon tetrachloride