

Naming Covalent compounds

covalent bonds happen between
non-metal + non-metal

To name non-metal + non-metal, we use
prefixes

1	mono	6	hexa
2	di	7	hepta
3	tri	8	octa
4	tetra	9	nona
5	penta	10	deca



Carbon - 2 - di
hydrogen - 6 - hexa

di carbon hexa hydride

note ending in "ide"

Exception → if the first element is "mono" do NOT write the "mono"



~~mono~~ carbon tetra hydride

Carbon tetra hydride ends in "ide"

Practice Questions (Answers below)

- | | |
|---------------------------|---------------------------|
| ① CO_2 | ⑥ dihydrogen monoxide |
| ② NH_3 | ⑦ Triiodide hexahydride |
| ③ P_2Cl_4 | ⑧ pentoxide decaphosphide |
| ④ S_3N_2 | |
| ⑤ H_4O_2 | |

DON'T LOOK

Answers
below ↓

- | | |
|---|-----------------------------|
| ① carbon dioxide | ⑥ H_2O |
| ② nitrogen trihydride | ⑦ I_3H_6 |
| ③ phosphorus
diphosphorus tetrachloride | ⑧ O_5P_{10} |
| ④ trisulfur dinitride | |
| ⑤ tetrahydrogen dioxide | |