

ICP do now- tell whether the statement below refers to ionic or covalent substances

1. High melting/boiling point I
2. Does not conduct electricity when dissolved C
3. Made up of a metal and non-metal I
4. Made of non-metal elements C
5. Ions I
6. Molecules C
7. Shares electrons C
8. Atoms give/take electrons I

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Naming covalent compounds

Instead of using charges, we use prefixes to name formulas for molecules

- 1- mono
- 2- di
- 3- tri
- 4- tetra
- 5- penta
- 6- hexa
- 7- hepta
- 8- octa

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Write prefix in front of element

* If only one atom of first element, no prefix

Ending of second element changes to -ide

Cl_7Br_8 heptachlorine octabromide

BCl_3 boron trichloride

S_4F_6 tetrasulfur hexafluoride

NO nitrogen monoxide

P_2O_5 diphosphorous pentoxide

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Formulas are written using prefixes

dinitrogen pentoxide N_2O_5

silicon dioxide SiO_2

arsenic trifluoride AsF_3

xenon tetrahydride XeH_4

diantimony monotelluride Sb_2Te

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