



## Naming binary molecular cmpds:

- Molec cmpds still end in -ide
- Use prefixes to indicate how many atoms of each element in cmpd
  - Mono-                      Hexa-
  - Di-                         Hepta-
  - Tri-                         Octa-
  - Tetra-                     Nona-
  - Penta-                    Deca-

2

- If just one atom of first element is in formula, OMIT mono-
  - Ex: CO = carbon monoxide, not monocarbon monoxide

3

- Practice writing formulas:
  1. Silicon tetracarbide
  2. Dihydrogen monoxide
  3. Nitrogen trichloride
  4. Dichlorine heptaoxide
  5. Phosphorus pentafluoride
  6. Dinitrogen tetrahydride
  7. Trisilicon tetranitride

4

## Practice naming:

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| 1. SO <sub>2</sub>               | 1. CO <sub>2</sub>                |
| 2. N <sub>2</sub> O              | 2. Cl <sub>2</sub> O <sub>8</sub> |
| 3. PCl <sub>3</sub>              | 3. N <sub>2</sub> O               |
| 4. SCl <sub>6</sub>              | 4. SF <sub>6</sub>                |
| 5. CCl <sub>4</sub>              | 5. XeCl <sub>8</sub>              |
| 6. OF <sub>2</sub>               | 6. N <sub>2</sub> O <sub>4</sub>  |
| 7. N <sub>2</sub> O <sub>5</sub> | 7. NH <sub>3</sub>                |

5