

How do you rate your nomenclature ?

SNC2DE_2010-2011

Part A – Simple Binary Ionic Compounds

Provide names for the following binary compounds: (the charge of the simple ions – its oxidation state – are found on the periodic table)

1. KCl - potassium chloride
2. ZnCl₂
3. ZnO
4. Na₂S
5. CaBr₂
6. BeS

Provide formulae for the following binary compounds:

1. calcium fluoride – CaF₂
2. potassium chloride
3. sodium fluoride
4. magnesium oxide
5. calcium phosphide
6. strontium oxide

Part B – Simple Binary Ionic Compounds Using the IUPAC System

Provide names for the following binary compounds:

1. HgF₂ – mercury (II) fluoride
2. Fe₂O
3. SbCl₃
4. CoF₃
5. CuO
6. Cu₂S

Provide formulae for the following binary compounds

1. nickel (II) iodide – NiI_2
2. copper (II) sulphide
3. iron (III) oxide
4. manganese (IV) fluoride
5. manganese (II) fluoride
6. copper (I) chloride

Part C – Simple Binary Covalent Compounds Using the Prefix System

Provide names for the following covalent compounds

1. NF_3 – nitrogen trifluoride
2. OF_2
3. AsBr_3
4. XeO_4
5. N_2O_5
6. CCl_4

Provide formulae for the following covalent compounds:

1. carbon disulfide – CS_2
2. nitrogen triiodide
3. dinitrogen oxide
4. tetraphosphorus pentoxide
5. tricarbon octahydride
6. dihydrogen monoxide

Part D – Compounds with Polyatomic Ions

1. $\text{Ba}(\text{OH})_2$ – barium hydroxide
2. NH_4Cl
3. $\text{H}_3\text{PO}_4\text{ (aq)}$
4. LiMnO_4
5. KClO_3
6. $\text{Hg}(\text{CN})_2$

7. $\text{HNO}_{3(\text{aq})}$
8. CaCO_3
9. $\text{Ba}_3(\text{PO}_4)_2 \cdot 6\text{H}_2\text{O}$
10. $\text{Fe}(\text{NO}_2)_2$

Provide formulae for the following compounds:

1. sodium nitrate – NaNO_3
2. lead (II) chlorate
3. iron (II) sulfite
4. lead (II) phosphate
5. copper (II) acetate
6. copper (I) carbonate
7. potassium nitrate hexahydrate
8. calcium phosphate
9. zinc sulphate
10. iron (II) chlorate dihydrate

Part E – Just a Bunch of Naming, No Pattern

Provide names, and/or formulas for the following compounds:

- | | |
|---|-------------------------------------|
| 1. HgF_2 – mercury (II) fluoride | 11. Sodium acetate |
| 2. KCl | 12. Bromous acid |
| 3. KMnO_4 | 13. Nickel (II) nitrate hexahydrate |
| 4. ZnO | 14. Radon difluoride |
| 5. CaCO_3 | 15. Barium sulphate |
| 6. Fe_2O_3 | 16. Silver carbonate |
| 7. CoF_3 | 17. Plumbic perchlorate |
| 8. K_2SO_4 | 18. Ferric hydroxide |
| 9. PF_5 | 19. Stannic sulphide |
| 10. Ag_2O | 20. Potassium dichromate |