

Naming Ionic Compounds

Give the name of the following ionic compounds:

Name
1. Na_2CO_3
2. NaOH
3. MgBr_2
4. KCl
5. Be_2SO_4
6. Li_3PO_4
7. Mg_3P_2
8. Ag_2SO_3
9. $\text{Al}(\text{CN})_3$
10. NaF
11. K_2CO_3
12. MgCl_2
13. $\text{Be}(\text{OH})_2$
14. KOH
15. $\text{Ba}(\text{NO}_3)_2$

Name
16. NaHCO_3
17. ZnI_2
18. $\text{Ca}_3(\text{PO}_4)_2$
19. ZnS
20. MgCl_2
21. LiNO_2
22. CaSO_4
23. AgNO_3
24. KHCO_3
25. CaO
26. $\text{Mg}_3(\text{PO}_4)_2$
27. KCl
28. MgSO_4
29. NaCl
30. $\text{Al}(\text{NO}_2)$

-1 ions

HCO_3^- bicarbonate
 CH_3CO_2^- acetate
 NO_3^- nitrate
 NO_2^- nitrite
 MnO_4^- permanganate
 CN^- cyanide

HSO_4^- hydrogen sulfate
(bisulfate)
 ClO_4^- perchlorate
 ClO_3^- chlorate
 ClO_2^- chlorite
 ClO^- hypochlorite
 OH^- hydroxide

-2 ions

CO_3^{2-} carbonate
 SO_4^{2-} sulfate
 SO_3^{2-} sulfite
 $\text{S}_2\text{O}_3^{2-}$ thiosulfate

O_2^{2-} peroxide
 CrO_4^{2-} chromate
 $\text{Cr}_2\text{O}_7^{2-}$ dichromate
 HPO_4^{2-} hydrogen phosphate

-3 ions

PO_4^{3-} phosphate
 BO_3^{3-} borate

AsO_4^{3-} arsenate