

CH1020 Exercises (Worksheet 1)

1) Write a formula for each compound (review)

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| a) Sodium hydrogen sulfite | NaHSO_3 |
| b) Lithium permanganate | LiMnO_4 |
| c) Silver nitrate | AgNO_3 |
| d) Potassium sulfate | K_2SO_4 |
| e) Potassium hydrogen carbonate | KHCO_3 |
| f) Sodium phosphate | Na_3PO_4 |
| g) Magnesium sulfate | MgSO_4 |
| h) Calcium chlorate | $\text{Ca}(\text{ClO}_3)_2$ |
| i) Magnesium dihydrogenphosphate | $\text{Mg}(\text{H}_2\text{PO}_4)_2$ |
| j) Sodium oxide | Na_2O |

2) Give the name or the chemical formula of each of the following acids (review)

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|----------------------------|-------------------------|
| a) HF | hydrofluoric acid |
| b) HBrO_3 | bromic acid |
| c) Phosphoric acid | H_3PO_4 |
| d) Nitrous acid | HNO_2 |
| e) HIO_4 | periodic acid |
| f) H_2SO_4 | sulfuric acid |
| g) Hydrocyanic acid | HCN |

3) Name these compounds (review)

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|-----------------------------|----------------------|
| a) $\text{Ba}(\text{OH})_2$ | Barium hydroxide |
| b) NH_4I | Ammonium iodide |
| c) NaBrO_4 | Sodium perbromate |
| d) SrBr_2 | Strontium bromide |
| e) Fe_2O_3 | Iron (III) oxide |
| f) BaS | Barium sulfide |
| g) SrBr_2 | Strontium bromide |
| h) HgBr_2 | Mercury (II) bromide |