

Summer Review Sheet #3

Naming compounds and molar masses

Answers are provided on the second sheet. Please try to do the worksheet without referring to them, because you'll be expected to know this stuff the first day of school!

Name each of the following chemical compounds and list their molar masses to the nearest g/mol:

- 1) AgNO_3
- 2) PbSO_4
- 3) N_2O_3
- 4) $\text{CoCl}_2 \cdot 4 \text{H}_2\text{O}$
- 5) NH_3
- 6) PBr_3
- 7) B_2F_6
- 8) $\text{Sn}(\text{CO}_3)_2$

Write the formulas of each of the following chemical compounds and list their molar masses to the nearest g/mol:

- 9) lithium acetate
- 10) copper (I) oxide
- 11) ammonium phosphate
- 12) vanadium (V) cyanide
- 13) nitrogen tribromide
- 14) iron (II) fluoride tetrahydrate
- 15) sulfur hexachloride
- 16) platinum (IV) hydroxide

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Name each of the following chemical compounds and list their molar masses to the nearest g/mol:

1)	AgNO ₃	silver nitrate	170 g/mol
2)	PbSO ₄	lead (II) sulfate	303 g/mol
3)	N ₂ O ₃	dinitrogen trioxide	76 g/mol
4)	CoCl ₂ · 4 H ₂ O	cobalt (II) chloride tetrahydrate	202 g/mol
5)	NH ₃	ammonia	17 g/mol
6)	PBr ₃	phosphorus tribromide	268 g/mol
7)	B ₂ F ₆	diboron hexafluoride	136 g/mol
8)	Sn(CO ₃) ₂	tin (IV) carbonate	239 g/mol

Write the formulas of each of the following chemical compounds and list their molar masses to the nearest g/mol:

9)	lithium acetate	LiC ₂ H ₃ O ₂	66 g/mol
10)	copper (I) oxide	Cu ₂ O	143 g/mol
11)	ammonium phosphate	(NH ₄) ₃ PO ₄	149 g/mol
12)	vanadium (V) cyanide	V(CN) ₅	181 g/mol
13)	nitrogen tribromide	NBr ₃	254 g/mol
14)	iron (II) fluoride tetrahydrate	FeF ₂ · 4 H ₂ O	166 g/mol
15)	sulfur hexachloride	SCl ₆	245 g/mol
16)	platinum (IV) hydroxide	Pt(OH) ₄	263 g/mol