Name:			Date:			= EURBAN
	Chemistry ~ Ms. Hart	Class:	Anions	or	Cations	SCHOOL FOR CRIM
	<u>6.1 – Gra</u>	ms Formula	Mass			JOD11
1.	The sum of the atomic masses (1) formula mass (2) isotopic mass (3) percent abundance (4) percent composition	of the atoms i	n one molec	ule of	C3H6Br2 i	s called the
2.	The gram formula mass of NH (1) 22.4 g/mole (2) 28.0 g/mole (3) 53.5 g/mole (4) 95.5 g/mole	I4Cl is				
3.	What is the gram formula mas (1) 106 g (2) 142 g (3) 266 g (4) 286 g	ss of Na2CO3 •	10H2O?			
4.	What is the gram formula mas (1) 66.0 g (2) 94.0 g (3) 114 g (4) 132 g	ss of (NH4)2S0	O4?			
5.	What is the gram formula mas (1) 138 g (2) 106 g (3) 99 g (4) 67 g	ss of K2CO3?				
6.	What is the formula mass of A (1) 123 (2) 150 (3) 214 (4) 342	l2(SO4)3?				
7.	What is the gram formula mass of Mg(ClO ₃) ₂ ? (1) 107 g (2) 142 g (3) 174 g (4) 191 g					
8.	What is the gram formula mas (1) 113 g (2) 121 g (3) 149 g (4) 404 g	ss of (NH4)3P0	O4?			

9. What is the gram formula mass of Li2SO4? (1) 54 g (2) 55 g (3) 110 g (4) 206 g			
10. What is the gram formula mass of Ca3(PO4)2? (1) 135 g/mol (2) 215 g/mol (3) 278 g/mol (4) 310. g/mol			
11. Given two formulas representing the same compound:			
Formula A CH_3			
Formula B C ₂ H ₆			
Which statement describes these formulas?			
 Formulas A and B are both empirical. Formulas A and B are both molecular. Formula A is empirical, and formula B is molecular. Formula A is molecular, and formula B is empirical. 			
12. Which is an empirical formula? (1) CH (2) C2H2 (3) C2H4 (4) C4H8			
 13. What is the empirical formula for a compound with the molecular formula C6H12Cl2O2? (1) CHClO (2) CH2ClO (3) C3H6ClO (4) C6H12C12O2 			
 14. Which pair consists of a molecular formula and its corresponding empirical formula? (1) C2 H2 and CH3CH3 (2) C6 H6 and C2H2 (3) P4O10 and P2O5 (4) SO2 and SO3 			

Answers:

- 1. (1) 2. (3)

- 3. (4) 4. (4) 5. (1) 6. (4)

- 7. (4) 8. (3) 9. (3)
- 10. (4) 11. (3) 12. (1)

- 13. (3) 14. (3)