Empirical & Molecular Formula

-	Name:
Show set up and all work (including units) in order to	receive full credit.
 2-propanol (also known as isopropyl or rubbing alc carbon, 13.4% hydrogen, and 26.6% oxygen. What is 	
Chemical analysis of a 5.00 g sample of the composused in gasoline) shows it is made up of 3.20 g Pb, 1. formula?	
3) Adenine is one of the four amino acids in DNA. Th and 51.9% N and has a molar mass of 135.2 g/mol.	
4) What is the molecular formula of paradichlorobenzene, an ingredient in moth balls that has a molar mass of 147.00 g/mol and an empirical formula of C _s ClH ₂ ?	5) A pesticide for snails has an empirical formula of C ₂ H ₄ O and a molar mass of 176.03 g/mol. What is the molecular formula?
 A compound has the following composition: 76.54 oxygen. If its molar mass is 282.54 g, what is its mol 	

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1) A compound is found to contain 23.3 % magnesiun the empirical formula?	m, 30.7 % sulfur and 45.0% oxygen. What is
2) Chemical analysis of an ionic compound determine and 21.3% O. What is the empirical formula?	ed it to have 68.4% barium, 10.3% phosphorous
3) A 15 gram sample of nicotine is found to contains nitrogen and has a molar mass of 162.23 g/mol. Wh	
4) Another moth ball ingredient, naphthalene, has an empirical formula of C ₅ H ₄ and a molar mass of 128.00 g/mol. What is the molecular formula for naphthalene?	5) A yellow dye has an empirical formula of C ₅ H ₅ N and a molar mass of 240.1 g/mol. What is the molecular formula?
 A compound is 75.46% carbon, 4.43% hydrogen, a weight of 318.31 g/mol. What is the molecular formu 	