## **EMPIRICAL AND MOLECULAR FORMULAS**

Name S	Section
Date Due	
Determine the empirical formulas for each composition or percentage-by-mass composition.	n of the following compounds for which the mass ition is given.
a) A compound is 56. 58 % K, 8.69 % C and	34.73 % O.
b) A sample of a compound contains 2.23 g	Fe and 1.93 g S.
c) A compound is 63.11 % C, 11.92 % H an	d 24 97 % F
5) 7(35) podrid 15 35.11 70 5, 11.32 7611 dil	4 2 4.37 70 T .
2. Determine the empirical formulas and act	ual formulas for the following compounds.
a) A compound having a molar mass of 60 (	g/mole is 40.0 % C, 6.67 % H and 53.3 % O.
b) A compound has a molar mass of 285 g/r	mole and is 43.7 % P and
56.3 % O.	
c) A compound of molar mass 545 g/mole is 77.97 % Cl	3 19.81% C, 2.22 % H and