NO:	FINDING EMPIRICAL FORMULA-SET-1
1	Analysis of a compound formed between magnesium and nitrogen showed it contained 14.4 g of magnesium and 5.6 g of nitrogen. What is the empirical formula of the compound? **A** Mg_2N_3 **B** Mg_3N_2 **C** Mg_4N_6 **D** Mg_6N_4
2	A compound is analysed and found to contain 85.7% carbon and 14.3% hydrogen. What is its empirical formula? **A** CH **B** CH_2 **C** C_2H_4 **D** C_6H
3	The relative molecular mass of an alcohol is 88. Its percentage composition by mass is: C, 54.5%; H, 9.1%; O, 36.4%. Which row shows the empirical formula and molecular formula for this alcohol?

	empirical formula	molecular formula
A	C_2H_4O	C_2H_4O
B	C_2H_4O	$C_4H_8O_2$
C	$C_4H_8O_2$	$C_4H_8O_2$
D	$C_4H_8O_2$	C_2H_4O

4	A compound contains 34.5% calcium, 24.1% silicon and 41.4% oxygen by mass. What is its empirical formula? **A** Ca_2SiO_3 **B** $CaSiO_3$ **C** $CaSi_2O_3$ **D** $CaSiO_6$