
Assume 100 g and find the empirical formula.

Problem	Answer	Problem	Answer
1. 75.0% C, 25.0% H		4. 52.9% Al, 47.1% O	
2. 40.0% C, 6.7% H, 53.3% O		5. 85.6% C, 14.4% H	
3. 27.3% C, 72.7% O		6. 43.4% Na, 11.3% C, 45.3% O	

Notes

Answer key – Empirical formula from % composition

#	Problem	Answer
1	75.0% C, 25.0% H	CH4
2	40.0% C, 6.7% H, 53.3% O	CH2O
3	27.3% C, 72.7% O	CO2
4	52.9% Al, 47.1% O	Al2O3
5	85.6% C, 14.4% H	CH2
6	43.4% Na, 11.3% C, 45.3% O	Na2CO3

Notes