

EMPIRICAL FORMULAE 1

				Explain what eac	
does not have a	ormula of sodium chlori a molecular formula.				
The following ra one.	atios are taken from exp	perimental (i.e. n	ot perfect) data. \	Vrite the simplest v	vhole number ratio fo
a) 2.5:1			e) 1.68:1		
) 1.33 : 1			f) 1:2.53		
2) 1:2.67			g) 1.65:1		
d) 1.48 : 1			h) 1.74 : 1		
ind the empiric	cal formula of each of th	e following substa	ances.		
	cal formula of each of th				
a) N 82.4%,					
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				
a) N 82.4%,	H 17.6%				

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e) H31% P316% O653%					
e) 113.176, 1 31.076, 0 03.376					
0 No 0 467 ~ C 0 0 425 ~ O 0 474	_				
f) Na 0.167 g, C 0.0435 g, O 0.174	J	• • • • • • • • • • • • • • • • • • • •			
1.00 g of phosphorus reacts with fluori	ne form 2.84 (g of pho	sphorus fluoride. Find the empirical for	mula of	phosp
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fluoride.	ne form 2.84 (g of phos	sphorus fluoride. Find the empirical for	mula of	phosp
fluoride.					
1.00 g of phosphorus reacts with fluoring fluoride. Area Done with care and thoroughness Shows suitable working			Area		