NO:	RELATIVE MOLECULAR MASS-RELATIVE FORMULA MASS-RELATIVE ATOMIC MASS-SET-1										
1	A sample of 16.0 g of a metal oxide, MO, is reduced to 12.8 g of the metal, M.										
	What is the relative atomic mass, $A_r$ , of M?										
	Α	32	В	64	С	80	)	D	<b>)</b> 128		
2	The relative atomic mass of oxygen is 16 and that of hydrogen is 1.										
	This means that(i) of oxygen has the same mass as(ii) of hydrogen.								/drogen.		
	Which words correctly complete the gaps?										
			,								
		gap (i)	gap (ii)								
	A	an atom	thirty-	wo molecule	es						
	В	an atom	eigh	t molecules							
	С	a molecule	six								
	D	a molecule	eight atoms								
3	The compound ethyl mercaptan, C <sub>2</sub> H <sub>5</sub> SH, has a very unpleasant smell.								smell.		
	What is its relative molecular mass?										
	Windt to ito rotativo motodalai maso:										
	Α	34	В	50		С	61		D	62	

- <sup>4</sup> Students are asked to state
  - the number of atoms in one molecule of ethanoic acid,
  - the relative molecular mass,  $M_r$ , of this acid.

## Which line is correct?

	number of atoms	$M_{\rm r}$
Α	8	32
В	8	60
С	9	26
D	9	46

Which relative molecular mass,  $M_r$ , is **not** correct for the molecule given?

	molecule	$M_{\rm r}$		
Α	ammonia, NH₃	17		
В	carbon dioxide, CO <sub>2</sub>	44		
С	methane, CH₄	16		
D	oxygen, O <sub>2</sub>	16		

What is the relative molecular mass  $(M_r)$  of HNO<sub>3</sub>?

**A** 5

**B** 31

**C** 32

**D** 63

	Α	50	E	<b>3</b> 68	}			С	100		D	204
11	What is the relative formula mass, $M_r$ , of CaCO <sub>3</sub> ?											
	A	46	<b>B</b> 150		С	274			306			
	(Relative atomic mass: H = 1; C = 12; O = 16)											
	What is the relative molecular mass, $M_r$ , of nandrolone?											
10	In athletics, banned drugs such as nandrolone have been taken illegally to improve performance. Nandrolone has the molecular formula $C_{18}H_{26}O_2$ .								ormance.			
	Α	15	В	23			С	30		D	46	
9	What is the relative molecular mass, $M_r$ , of nitrogen dioxide?											
	•	46	<b>B</b> 150	, 0 .2		274		D	306			
	What is the relative molecular mass, $M_r$ , of nandrolone? (Relative atomic mass: H = 1; C = 12; O = 16)											
							ne?					
8	In athletics, banned drugs such as nandrolone have been taken illegally to improve performant Nandrolone has the molecular formula $C_{18}H_{26}O_2$ .								ormance.			
	D	zirconium										
	С	neon										
	В	B calcium										
	A argon											
	What is element X?											
7	A compound with the formula XF <sub>2</sub> has a relative formula mass of 78.											