

## MOLES (A)

1	Calculate the relative formula mass $(M_r)$ of each of the following substances.		
	а	CO <sub>2</sub>	
	b	Mg	
	С	sodium oxide	
	d	calcium nitrate	
2		alculate the mass in grams of one atom of <sup>19</sup> F. Give your answer in standard form to 3 significant figures. ne Avogadro constant = $6.022 \times 10^{23} \text{ mol}^{-1}$ )	
3		ne molecule of water has a mass of $2.99 \times 10^{-23}  \mathrm{g}$ . Use this to calculate the mass in grams of two moles of ater molecules.	
	(th	ne Avogadro constant = $6.022 \times 10^{23} \text{ mol}^{-1}$ )	

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