22	$\frac{1}{2}\times\frac{4}{3}\times\pi\times12^3\left(=1152\pi=3619.(114)\right)$ oe or $\frac{1}{2}\times\frac{4}{3}\times\pi\times9^3\left(=486\pi=1526.(814)\right)$ oe or $\frac{4}{3}\times\pi\times12^3\left(=2304\pi=7238(.229)\right)$ oe or $\frac{4}{3}\times\pi\times9^3\left(=972\pi=3053(.628)\right)$ oe		3	M1 for finding the volume of a sphere or a hemisphere
	$\frac{1}{2}\times\frac{4}{3}\times\pi\times12^3-\frac{1}{2}\times\frac{4}{3}\times\pi\times9^3$ oe or $"1152\pi"-"486\pi"\left(=666\pi\right)$ oe or $\frac{\frac{4}{3}\times\pi\times12^3-\frac{4}{3}\times\pi\times9^3}{2}$ oe or $\frac{"2304\pi"-"972\pi"}{2}\left(=\frac{1332\pi}{2}=666\pi\right)$ oe			M1
	Correct answer scores full marks (unless from obvious incorrect working)	2092		A1 2091 – awrt 2093
				Total 3 marks