## Surface Area and Volume of Spheres (D)

Calculate the surface area and volume for each sphere.

$$
\text { Surface Area }=4 \pi r^{2} \quad \text { Volume }=\frac{4}{3} \pi r^{3}
$$

1. 


2.

4.


## Surface Area and Volume of Spheres (D) Answers

Calculate the surface area and volume for each sphere.

$$
\text { Surface Area }=4 \pi r^{2} \quad \text { Volume }=\frac{4}{3} \pi r^{3}
$$

1. 



Surface Area: $107,288.7 \mathrm{AU}^{2}$ Volume: $3,304,490.6 \mathrm{AU}^{3}$
3.


Surface Area: 24,328 in $^{2}$
Volume: 356,818 in $^{3}$
2.


$$
\begin{aligned}
& \text { Surface Area: } 22,167 \mathrm{in}^{2} \\
& \text { Volume: } 310,339 \mathrm{in}^{3}
\end{aligned}
$$

4. 



Surface Area: $35,033.0 \mathrm{~nm}^{2}$ Volume: $616,581.3 \mathrm{~nm}^{3}$

