

NAME_____

Practice A

For use with pages 517–523

Complete the statement.

- 1. A _?_ is the set of all points in space that are the same distance from a point.
- 2. A geometric plane passing through the center of a sphere divides it into two _?__.

Use the formula Surface area = 4π (radius)² to find the surface area of the sphere. Round your answer to the nearest whole number.



Use the formula Volume = $\frac{4}{3}\pi$ (radius)³ to find the volume of the sphere. Round your answer to the nearest whole number.



Find the volume of the hemisphere. Round your answer to the nearest whole number.



A table tennis ball has a radius of 1.5 centimeters.

- **12.** Find the surface area of the table tennis ball. Round your answer to the nearest whole number.
- **13.** Find the volume of the table tennis ball. Round your answer to the nearest whole number.

