

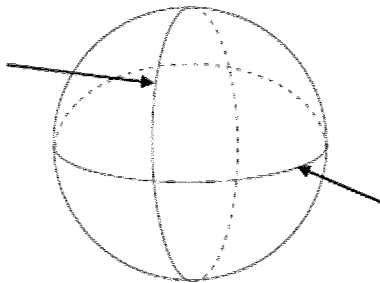
Match the real objects with the name of a three-dimensional solid figure.

- | | |
|-----------------------------|-------|
| 1. tombs of Egyptian rulers | _____ |
| 2. cell of a honey comb | _____ |
| 3. sun | _____ |
| 4. shoe box | _____ |
| 5. wedge of cheese | _____ |
| 6. grain silo | _____ |
| 7. can of spinach | _____ |
| 8. pup tent | _____ |
| 9. stop sign | _____ |

Determine if the following statements are true or false and explain your reasoning.

10. The lateral surface of a cylinder when unwrapped and laid flat is a rectangle. _____
11. The lateral surface of a cone when unwrapped and laid flat is a triangle. _____
12. All cross sections of cylinders cut parallel to the bases are congruent to the bases. _____
13. The length of a segment from the vertex (apex) of a cone to the circular base is the altitude of the cone. _____
14. All slices that pass through the center of a sphere are congruent. _____

Latitude and longitude are used in navigation to locate points on the Earth's surface.



15. Label the longitude and latitude lines shown on the Earth's surface pictured above.
16. In how many points do they intersect? _____
17. Which one is always a great circle of the sphere (Earth)? _____
18. What is the only case in which the other is a great circle? _____
19. Is it possible for two great circles of a sphere to not intersect? _____
20. Where do all longitude lines on the Earth intersect? _____

Label each shape.

