QUIZIZZ

SURFACE AREA AND VOLUME

10 Questions

NAME : _____

CLASS : _____

DATE : _____

1.   A shuttle cock used for playing badminton has the shape of
      the combination of :

a) Frustum of a cone and a hemisphere

b) A sphere and a cone

c) A cylinder and a hemisphere

d) A cylinder and a sphere

2.   The total surface area of a solid hemisphere of radius 'r' is:

a) πr^2

b) $2\pi r^2$

c) $3\pi r^2$

d) $4\pi r^2$

3.   If the volume and the surface area of a sphere are
      numerically equal, then the radius of the sphere is :

a) 0

b) 1

c) 2

d) 3

4.   **CHOOSE THE CORRECT ANSWER**

      **A funnel is a
      combination of**
      _____

a) A cone and a cylinder

b) Frustum of a cone and a cylinder

c) A hemisphere and a cylinder

d) A hemisphere and a cone

? **Help**

5.   **CHOOSE THE CORRECT ANSWER**

A Surahi is a combination of _____

a) A hemisphere and a cylinder

b) Two hemispheres

c) A cylinder and a cone

d) A sphere and a cylinder

6.   **CHOOSE THE CORRECT ANSWER**

A Plumbline is a combination of _____

a) A cone and cylinder

b) A hemisphere and a cone

c) Frustum of a cone and cylinder

d) A sphere and a cylinder

7.

The shape of a gilli, in the gilli-danta game is a combination of

a) Two cylinders

b) A cone and cylinder

c) Two cones and cylinder

d) Two cylinders and a cone

8.   A solid sphere of radius 'r' is melted and recast into the shape of a solid cone of height 'r'. Then the radius of the base of the cone is

a) r

b) 2r

c) 3r

d) 4r

9. During conversion of a solid from one shape to another, the volume of the new shape will

a) increase

b) decrease

c) be doubled

d) remain unaltered

10. A cone is cut through a plane parallel to its base and then the cone that is formed on one side of that plane is removed. The new part that is left out on the other side of the plane is

a) Cone

b) Cylinder

c) Sphere

d) A frustum of the cone