|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Surface area and volume

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  T |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 2  S |  |  |  |  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 3  V | O | L | U | M | E |  |  |  |  | 4  C |  | T |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | A |  |  |  |  |  |  |  | O |  | A |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | N |  |  |  |  |  | 5  C |  | N |  | L |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | T |  |  |  |  | 6  C | U | B | E |  | S |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | H |  |  |  | 7  S |  | B |  |  |  | U |  | 8  C |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 9  H | E | M | I | S | P | H | E | R | E |  | R |  | Y |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | I |  |  |  | H |  |  |  |  |  | F |  | L |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | G |  |  |  | E |  | 10  C |  |  |  | A |  | I |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 11  R | I | G | H | T | C | I | R | C | U | L | A | R | C | O | N | E |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | T |  |  |  | E |  | B |  |  |  | E |  | D |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | O |  |  |  | A |  | E |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 12  C | U | B | O | I | D |  |  | R |  | R |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D |  |  |  | E |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across**  **3.** the measure of a occupied space by a solid is called  **6.** 'a cube' is the volume of  **9.** 2/3 pi r square is the volume of  **11.** a figure generated by rotating a right triangle about a perpendicular side is called  **12.** l x b x h is the volume of | **Down**  **1.** 6 'a square ' is the ---------- of a cube  **2.** root(r square + h square ) is the  **4.** 1/3 pi "r square"is the volume of  **5.** a cuboid whose length and breadths are equal  **7.** 4/3 pi r square is the volume of  **8.** 2 pi r(r+h) is the total surface area of  **10.** a solid bounded by 6 rectangular faces |