Properties of Matter

***Matter*** is anything that takes up space and has mass. ***Mass*** of matter is the amount of matter of an object. A scale is used to measure mass. ***Volume*** is the measurement of the amount of space an object takes up. To measure Volume of a regular shaped solid we measure its length x width x height.

 V= L x W x H

|  |  |
| --- | --- |
|  Volume & Properties |  Object |
| Length:width:Height:Volume= \_\_\_\_\_ x\_\_\_\_x\_\_\_\_\_ \_\_\_\_\_\_\_Describe the properties:- -- -- - |  Image result for cube links |
| Length:width:Height:Volume= \_\_\_\_\_ x\_\_\_\_x\_\_\_\_\_ \_\_\_\_\_\_\_Describe the properties:- -- -- - |  |
| Length:width:Height:Volume= \_\_\_\_\_ x\_\_\_\_x\_\_\_\_\_ \_\_\_\_\_\_\_Describe the properties:- -- -- - |  |

 Properties of Matter



actual mass: \_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
|  Cube link |  property | description |
|  | mass | the amount of matter in an object |
|  | volume | the amount of space an object takes up |
|  | colour | the colour of the object |
|  | texture | what an object feels like when you touch it |
|  | hardness | the ability of an object to be scratched |
|  | flexibility | How much an object can bend before it breaks |
|  | absorbency | whether an object can soak up liquids |
|  | strength | how strong or weak an object is |
|  | buoyancy | whether or not an object floats |

 Now that you know the mass of 1 cube link. Make a sculpture, draw then predict mass. Repeat for #2.

|  |  |
| --- | --- |
| My structure has \_\_\_\_\_ blocks. I predict it will weigh \_\_\_\_\_\_\_ MY STRUCTURE #1actual mass: \_\_\_\_\_\_\_\_\_ | My structure has \_\_\_\_\_ blocks. I predict it will weigh \_\_\_\_\_\_\_ MY STRUCTURE #2actual mass: \_\_\_\_\_\_\_\_\_ |

Observations:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_