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

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| --- | --- |
| 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: \_\_\_\_\_\_\_\_\_

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| 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.

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

Observations:

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