Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_

**Answering the Core Question**

Please use all the vocabulary words listed below to answer the Core Question 9 in a paragraph or two. ***Please highlight or underline each vocabulary word in your writing.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mass | Volume | Density | Grams | Milliliters |
| Measure | Graduated cylinder | Triple beam balance | Water displacement | Regularly-shaped solid |
| Irregularly-shaped solid | Cubic centimeters (cm3) | Liquid | Particles  | Space  |
| Ruler  |  |  |  |  |

**Core Question:** *What are mass, volume, and density, and how are they related?*