

# General Properties HW

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

1) List the 3 general properties of matter we have been discussing so far:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

2) Explain how mass and weight are similar. Explain how they are different. (**Complete sentences!!**)

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3) The mass of an object always stays \_\_\_\_\_. It ONLY changes if you add or take away \_\_\_\_\_.

Example: If a book has a mass = 50g on Earth, the mass of the book:

a) on Mt. Everest = \_\_\_\_\_ (*50g/ more than 50g/ less than 50g*)

b) on Jupiter = \_\_\_\_\_

c) on Pluto = \_\_\_\_\_

4) The weight of an object does not stay \_\_\_\_\_. It changes depending on the strength of the \_\_\_\_\_ of the planet you're on, OR depending on how far you are, on Earth, from \_\_\_\_\_.

Example: If a book has a weight = 13 lbs on Earth, the weight of the book:

a) on Mt. Everest = \_\_\_\_\_ (*13 lbs/ more than 13 lbs/ less than 13 lbs*)

b) on Jupiter = \_\_\_\_\_

c) on Pluto = \_\_\_\_\_

5) The UNIT of measurement for LIQUID volume is \_\_\_\_\_ or \_\_\_\_\_.

6) The TOOL to measure the volume of a RECTANGULAR solid is a \_\_\_\_\_.

7) The METHOD used to find the volume of an IRREGULAR-SHAPED solid is \_\_\_\_\_.

8) The UNIT of measurement for the volume of SOLIDS is \_\_\_\_\_.

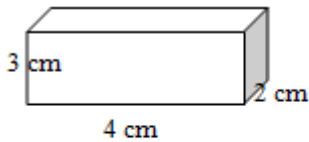
9) The FORMULA for the volume of a rectangular solid is \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_.

10) The TOOL to measure the volume of a liquid is a \_\_\_\_\_.

11) 1 mL = \_\_\_\_\_  $\text{cm}^3$

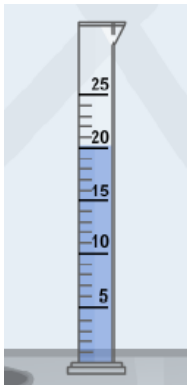
12) 1 L = \_\_\_\_\_ mL

**FIND VOLUME:**



\_\_\_\_\_  $\text{cm}^3$

**FIND VOLUME:**



= \_\_\_\_\_ mL