

Properties of Matter Test 10/31

~Study Guide~

6.MS-PS2-4. Use evidence to support the claim that gravitational forces between objects are attractive and are only noticeable when one or both of the objects have a very large mass.

Skills reported on

S.6 Clearly explains thinking

S.7 Attends to detail

<p><i>What to study:</i></p> <p>a. Understands the definition of mass</p> <ul style="list-style-type: none"> • Can explain what mass measures • Knows why mass stays the same • Tool to measure mass • Both units for mass <p>b. Understands the definition of weight</p> <ul style="list-style-type: none"> • Can explain what weight measures • Tool to measure weight • Both units for weight <p>c. Understands how mass affects gravitational pull</p> <p>d. Can determine and explain source of gravity</p> <ul style="list-style-type: none"> • Can explain what determines your source of gravity • Can explain how the mass of a planet affects how strong the gravitational pull is 	<p><i>Study Resources:</i></p> <p><i>Mass & Weight:</i></p> <ul style="list-style-type: none"> ❑ <i>Mass reading slideshow (Spongebob) on website - Link #2B</i> ❑ <i>Mass True/False worksheet - in notability - link #3B</i> ❑ <i>How to use a triple beam balance video on website</i> ❑ <i>Mass stations labs - Link #4</i> ❑ <i>Weight reading and worksheet - in Notability - link #5A</i> ❑ <i>Mass vs. weight notes in Notability - link #5B</i> ❑ <i>Mass & Weight True/False sheet - in Notability - link #6</i> ❑ <i>Journey through mass & weight answers -in Notability - link #9</i> ❑ <i>Journey through mass & weight presentation on website - Link #8</i> ❑ <i>Mass & Weight Study Guide - Link #10</i>
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6.MS-PS1-7(MA). Use a particulate model of matter to explain that density is the amount of matter (mass) in a given volume. Apply proportional reasoning to describe, calculate, and compare relative densities of different materials.

What to study:

a. Understands and measures volume of liquids and solids

- Can explain what **volume** measures
- Knows and can explain the **process/formula** of finding volume of:
 - Rectangular solids
 - Irregular solids
 - Liquids
- Knows the **tools and units** used for volume of:
 - Rectangular solids
 - Irregular solids
 - Liquids
- Can explain the relationship between cm^3 and mL

b. Understands and measures mass of liquids and solids

- Can explain what mass measures
- Knows and can explain the **process** of finding mass
- Knows the **tools and units** used for mass

c. Uses formula to calculate various densities

- Knows the formula used to calculate density
- Knows the unit used for density of a solid or liquid

d. Can draw & explain a diagram illustrating density

- Understands what **Density** is
- Knows the density of water
- Understands why something floats or sinks in water
- Can compare the density of objects with the same mass but different volumes
- Can compare the density of objects with the same volume but different masses
- Can explain what happens when substances of different densities are combined (liquids and solids together)

Study Resources:

Volume:

- ☐ Volume videos on website - under #12, #14, #16
- ☐ Review volume notes in Notability - #12
- ☐ Review Volume Reading & Reading Questions - #11A & 11B
- ☐ Review 3 Volume labs
 - ☐ Liquids lab - #16
 - ☐ Rectangular Objects lab - #14
 - ☐ Irregular objects lab - #18
- ☐ Volume Lab review - #19A
- ☐ Volume practice flash cards - #20

Density:

- ☐ Review density notes (screenshots in notability from Nearpod)
- ☐ Do density Nearpod independently - code:FSMBU
- ☐ Review density reading on website - link 21
- ☐ Review density labs -link 24A

Study strategies for any topic:

- ☐ Play Quizlet - link #26 B on website
- ☐ Read this study guide #25 on website
- ☐ Play the Quia Game – #26A on website
- ☐ Try the Practice test – #27 on website
- ☐ Stay for extra help this week
- ☐ Fill in Practice Chart - #28 on website
- ☐ Fill in Practice Packet - #29 on website
- ☐ Check Practice packet against the answer key - #30 on website
- ☐ Labeled which Vocab words from the packet are tricky for me
- ☐ Make a song/rap/rhyme/acronym
- ☐ Study with a friend/quiz each other
- ☐ Make a Kahoot and play with friends/family
- ☐ Create a Explain Everything or other type of presentation to include all info. from study guide or what you need most help with

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