

Properties of Matter Video Questions

Name: _____

Date: _____

- What is matter?
 - the measure of how heavy or light something is for its size
 - the force of gravity on an object's mass
 - anything that has both mass and volume
 - the amount of space an object takes up
- Which property of matter changes depending on the gravitational pull?
 - weight
 - mass
 - volume
 - density
- Which of the following determines an object's ability to float in water?
 - how much the object weighs
 - what the mass of the object is
 - how dense the object is
 - the volume of an object
- How would you measure the volume of an oddly-shaped object, like a teacup?
 - by placing it in a room without gravity
 - by placing the cup in water and measuring how high the water rises
 - by placing it on a scale
 - by breaking the cup into tiny pieces and placing those pieces in a beaker
- What is density?
 - the amount of space that an object takes up
 - anything that is solid, liquid, or gas
 - the amount of matter contained in an object
 - the measure of how light or heavy something is for its size