

Speed Quizzing

All matter is composed of ____.

particles



A ____ buoyant object will float.

positively



A fast-moving review activity where students quiz each other, swap cards, then move on to someone new.

Matter Mini Unit

32 Questions

Speed Quizzing - Matter Mini Unit

Matter is ____.	True/False: Energy is matter.
any substance that has both mass and volume	False
How is mass defined?	What is the term for the amount of space an object takes up?
By how much matter an object contains.	Volume
What is density?	All matter is composed of ____.
The amount of mass in a particular volume.	particles
The particles of one substance are ____.	True/False: There are attractive forces between particles.
the same	True
True/False: Particles are always moving.	The more energy particles have, the ____ they move and the ____ their temperature.
True.	faster, higher
What is temperature?	What causes a state change (e.g., liquid to gas)?
A measure of the speed of particles.	The addition or removal of energy.
In ____, particles move very little and are very close together.	Liquid particles move ____ and have ____ space between them.
solids	freely, little
The particles of a ____ move freely and are far apart.	Freezing is the conversion of a ____ to a ____.
gas	liquid, solid

Solids become gases in a process called ____.	What is melting?
sublimation	The conversion of a solid to a liquid.
What is the difference between evaporation and condensation?	How is density calculated?
Evaporation: liquid to gas. Condensation: gas to liquid.	$d = m/V$
What do the components of GUESSS stand for?	How do you determine the volume of an irregularly-shaped object?
Givens, Unknown, Equation, Substitute, Solve, Statement	Measure the amount of water it displaces.
A negatively buoyant object will ____.	A ____ buoyant object will float.
sink	positively
What is the upward force of a fluid on an object placed in that fluid?	If an object's mass is greater than the mass of the fluid it displaces, the object is ____.
The buoyant force.	negatively buoyant
Define weight.	True/False: Weight changes based on location.
The force of gravity on an object.	True.
Everything produces an attractive force called ____.	How is weight calculated?
gravity	Mass * acceleration due to gravity
What are the units of mass?	What are the units of weight?
Kilograms, slugs, or pound-mass	Newtons or pounds

- ✓ Challenge your students!
- ✓ Questions cover material directly from the lessons
- ✓ Get students up and moving around
- ✓ Very little preparation required

How to Implement

- Provide each student with a flash card
- Pair up students using the stand up/hands up/pair up method
- Partner A reads the question to Partner B, who answers. Partner A praises if correct or coaches if incorrect.
- Partners switch roles
- Students thank each other and switch cards.
- Partners raise their hands to find a new partner.
- Repeat for specified amount of time

Why Use Speed Quizzing?

- Prompts meaningful student conversation
- Review prior knowledge
- Review new terms/problems after a unit
- Gather student ideas
- Remediate weak skills
- Practice new skills