

Chemistry Speed Quizzing Bundle

___ in a chemical formula show how many atoms are in a compound.

Subscripts

The ___ of an element is the number of protons in the nucleus.

atomic number



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

32 Questions in Each Set

Speed Quizzing - Chemistry Introduction Unit

Any substance that has both mass (collection of particles) and volume (takes up space).	Three states of matter.
Matter	Solid, Liquid and Gas
The characteristics used to identify a substance.	Name two property distinctions (e.g. type of property vs another type of property)
Properties	Chemical vs. Physical and Quantitative vs. Qualitative
A measure of how close the particles in a substance are.	FORMULA: density = mass/_____
Density	Volume
If an object is less dense than the fluid it is in, it will _____.	TRUE or FALSE: Excess fat makes people less dense than water.
float	TRUE
All matter is composed of _____.	The _____ particles are to each other, the stronger the force.
particles	closer
What are the two basic categories of matter?	The key to all the elements on earth.
Mixtures and Pure substances	Periodic Table
_____ are the building blocks of matter.	Greek philosopher who believed that atoms were indivisible and indestructible.
Atoms	Democritus

_____ in a chemical formula show how many atoms are in a compound.	Many element names are in _____.
Subscripts	Latin
The number in front of the compound is called the _____.	The number of connections that an atom can make is called its _____.
coefficient	combining capacity

_____ name for the "Plum Raisin Bun" model.	_____ move in orbits (energy levels) around the nucleus.
Rutherford's Atomic Model	Electrons
_____ charged subatomic particle	The _____ of an element is the number of protons in the nucleus.
Proton	atomic number
_____ number of protons and the nucleus of an atom	The _____ represents the name of an element.
Mass Number	chemical symbol
_____ elements and 98 are naturally.	The electrons that are transferred or shared when atoms bond together.
118	Valence Electrons
_____ elements are good conductors of heat and electricity?	Elements that are mostly synthetic or man-made.
Metals	Rare Earth Elements
An atom with positive or negative charge is called a(n) _____.	If a neutral atom loses one or more electrons, it becomes a(n) _____.
Ion	cation
To name _____, remove the end and add "-ide".	_____ ions are mostly transition metals (Copper, Iron) but also include Tin (Sn) and others.
negative ions	Multivalent

Speed Quizzing

- ✓ 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