## **(/l/#)**

## **GVC 8.1 Matter Review**

A public quiz for schools

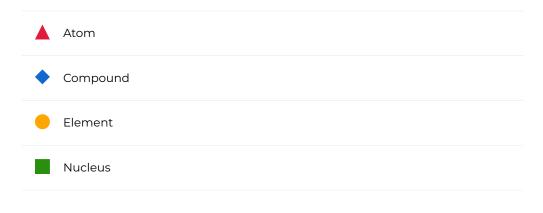
#Matter Final

Copy and share this playable link

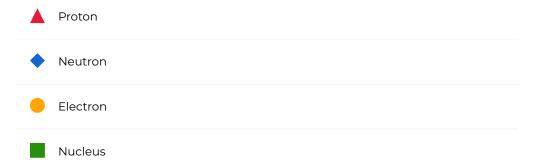
https://play.kahoot.it/#/?quizId=08ebfe60-7958-476c-ac64-bf1d4ee659e7

Questions (30	))
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**Q1:** What do scientists call a PURE substance that is made of only ONE kind of atom?



**Q2:** What part of the atom orbits the nucleus and has a negative charge?



**Q3:** What do scientists call a substance that is made of two or more atoms bonded together?

(/I/#)		Atom
	<b>•</b>	Electron
		Molecule
		Proton
	Q4:	: Which illustration is an example of an <b>ATOM</b> ?
		A
	<b>•</b>	В
		C
		D
		Early chemists thought the parts of the atom were spread evenly bughout the atom we now know
		That it is shaped like a cube
	<b>♦</b>	Most of the atoms' particles are in the outer layer.
		It has most of its mass in the center
		Atoms are holding still
	Q6:	Which of these tests measured <b>chemical</b> properties?
		physical description and reaction to heat
	<b>•</b>	reaction to water and physical description
		physical description and reaction to acid

(/I/#)		reaction to acid and reaction to heat
	<b>Q7:</b> a	The statement "The lead pipe corrodes in water" is an example of
		Physical Property
	•	Chemical Property
		Which of the statements would be an inference about a mical property?
		The substance forms into thin flat sheets
	<b>•</b>	The substance forms into thin flat sheets
		The substance will get smaller
		The substance looks like it will react in acid easily
	Q9:	Which of the following is true of <b>chemical</b> properties?
		They describe the phase the substance is in
	•	They explain how the substance reacts with other substances
		Describe characteristics of a substance such as size & color
		Describe qualities of the substance that can be observed

**Q10:** You mix two colorless liquids together. After a few minutes the liquid has turned purple.

(/l/#)		A <b>physical</b> change has taken place a <b>MIXTURE</b> has formed		
	•	A <b>chemical</b> change has taken place a <b>NEW</b> substance has formed		
	Q11:	Which of the following is an example of a chemical change?		
		Baking soda in vinegar		
	<b>\</b>	Bending steel		
		Magnet in water		
		Sawing a board		
	Q12: If FOUR carbon atoms are in the reactant, how many carbon atoms will be found in the product?			
		1		
	•	2		
		3		
		4		
		: As Terry and Jean poured melted chocolate over their ice cream y noticed that it became hard		
		The chocolate changed phases, physical change		
	<b>•</b>	The chocolate changed phases, chemical change		
		The chocolate changed into a new substance, physical change		
		The chocolate changed into a new substance, chemical change		

Q14: "Ice is a solid." This statement is a
A Physical property
◆ Chemical property
<b>Q15:</b> When heat is removed from a substance, what happens to the motion of the particles?
▲ They slow down
♦ They speed up
They stay the same
<b>Q16:</b> Which best explains why a substance changes from a liquid to a gas when heated?
▲ Molecules move faster and they move farther apart
Molecules get closer together and become more dense.
Molecules of water change to hydrogen and oxygen
Q17: Methane melts at -182 (c) and a boils at -162 (c). What STATE is Methane in at 1000 (c)?
Solid
Liquid

Gas



▲ Melting
Sublimating
Boiling
Deposition
<b>Q19:</b> When a substance goes from a liquid to a gas, it is called
Boiling
◆ Melting
Sublimating
Freezing
<b>Q20:</b> Both natural products and synthetic products come from natural resources. Explain
all products come from natural substances found on Earth
scientists can not make products in a laboratory
humans only use natural products
humans only use natural products  synthetic products can only be made from synthetic products

(/I/#)	•	Petroleum
		Sand
		Limestone
	Q22	2: Which of the following makes something <b>synthetic</b> .
		It grows on a tree
	•	It is mined from the earth
		It is found in fruit
		It is made in a laboratory
	Q2:	<b>3:</b> Which of the following is a synthetic fiber?
		Cotton
	•	Wool
	•	Nylon
		Linen
	Q24	<b>4:</b> What type of heat transfer is letter A?
		convection
	•	conduction
		radiation

(/I/#) Q25: Natural fibers could come from \_\_\_\_\_

A Plants and animals
created atomic structures
laboratory chemicals
synthetic minerals
<b>Q26:</b> Which type of heat can travel through a vacuum (space)?
Convection
Conduction
Radiation
Q27: Which item would be the best conductor of heat?
Aluminum Pan
◆ Wood Block
Plastic Pipe
Wooden Tire
<b>Q28:</b> The Jones family is going camping, they put all refrigerated items in a styrofoam cooler. Why?
Because Styrofoam will REDUCE heat transfer.

(/I/#)		Because they like their sandwiches warm.
		Because Styrofoam will INCREASE heat transfer.
		Because they wont be gone for long.
		<b>9:</b> Jacob enjoys laying by his pool and soaking up some sun. What e of heat transfer is this?
		Convection
	<b>♦</b>	Conduction
		Radiation
	Q30	<b>0:</b> Which reflects the "conservation of mass"?
		products = reactants
	<b>•</b>	products > reactants
	•	products < reactants