Name:		

Bill Nye: Atoms

Vocabulary

aton	n	electron	212m2mt		1 1	4	1	4	
		election	element	matter	molecule	neutron	nucleus	proton	quark
Use	the w	vord bank ab	ove to fill in t	the blanks.					
1. A	Anyth	ing that has i	mass and take	es up space	is			_•	
2. A	A posi	itively charg	ed particle in	an atom is	the			·	
3. A	3. A(n) is the smallest unit of a chemical compound that retains the properties of the compound.								
4. <i>A</i>	A(n) _				is matter that i	s composed o	of only one kin	nd of atom.	
5. A	5. A negatively charged particle in an atom is the								
6. A	6. A(n) is the smallest particle of an element that retains the properties of that element; the building blocks of matter.								
7. A	A part	icle with no	charge that is	found in a	n atom is the _			•	
8. <i>A</i>	An ele	ementary par	ticle that mak	es up proto	ns & neutrons	is a(n)			·
9.]	The			is the	core of the ato	m, made up o	of protons & n	eutrons.	
		v/New down 3 thing	gs you <u>already</u>	<u>/ knew</u> abou	nt chemical rea video:	ctions that we	ere confirmed	through wa	tching the
 3. 									
1.			Write down	3 <u>new</u> thing	s that you lear	ned from wat	ching the vide	eo:	
2.									

Episode Guide

What does the Greek word for atoms mean?			
2. The heavy particles of an atom are located			
3. Atoms are mostly made up of			
4 & are located in the nucle	eus of an	atom.	
5. Where are the electrons found?			
6. Atoms are so small that you could fit how many on the head of a pin?			
7. What makes 1 atom different from another?			
8. What does the atomic number tell you about an element?			
9. Anything that is not matter is a form of			
10. What element is found in every living thing?		_	
m			
True or False 1. Atoms are mostly empty space.	T	or	F
2. Each element has a specific number of protons in the nucleus.	T	or	F
3. Electrons are the largest particles in an atom.	T	or	F
4. A branch of chemistry is named after oxygen.	T	or	F
5. Heat is a form of matter.	T	or	F
6. Neutrons are negatively charged.	T	or	F
7. A quark is a small particle that makes up protons & neutrons.	T	or	F
8. The atomic number tells you the number of electrons in the nucleus of an atom.	T	or	F
9. Energy is anything that has mass & takes up space.	T	or	F
10. Protons & electrons make up most of the mass of an atom.	T	or	F

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Vocabulary

aton	n electron	element	matter	molecule	neutron	nucleus	proton	quark
Use	Use the word bank above to fill in the blanks.							
1. A	anything that h	as mass and tak	es up space	is	matter		_·	
2. A	positively cha	arged particle in	an atom is t	he	proton			
3. A	erties of the co	molecule ompound.		is the smal	lest unit of a	chemical com	pound that i	retains the
4. A	(n)	element		is matter that i	s composed o	f only one kin	nd of atom.	
5. A	negatively ch	arged particle ir	n an atom is	the	electro	n	·	
6. <i>A</i> of th	(n) at element; the	atom e building block	s of matter.	_ is the smalle	est particle of	an element th	at retains th	e properties
7. A	particle with	no charge that is	s found in ar	atom is the _	neuti	on	_·	
8. A	ın elementary j	particle that mal	kes up proto	ns & neutrons	is a(n)	quark		
9. T	The1	nucleus	is the	core of the ato	m, made up o	of protons & n	eutrons.	
Knew/New Write down 3 things you <u>already knew</u> about chemical reactions that were confirmed through watching the video: 1. Answers will vary.								
 3. 		Write down	2 navy thing	s that you loan	and from wat	ahina tha wida	0.	
1.	Answers wil		5 <u>new</u> thing	s that you lean	ied from Wat	ening the vide	0.	
2.	inswers wil	ivary.						

Episode Guide

1. What does the Greek word for atoms mean? "uncuttable"			
2. The heavy particles of an atom are located nucleus			·
3. Atoms are mostly made up of empty space	·		
4. Protons & neutrons are located in the nuc	leus of an at	tom.	
5. Where are the electrons found? outside of the nucleus			
6. Atoms are so small that you could fit how many on the head of a pin?	1 million		
7. What makes 1 atom different from another? the number of protons in the	nucleus		
8. What does the atomic number tell you about an element? the number of	protons in t	the nu	icleus
9. Anything that is not matter is a form of energy	·		
10. What element is found in every living thing?carbon			
True or False	T		Б
Atoms are mostly empty space.		or	F
2. Each element has a specific number of protons in the nucleus.	T	or	F
3. Electrons are the largest particles in an atom.	T	or	F
4. A branch of chemistry is named after oxygen.	T	or	F
5. Heat is a form of matter.	T	or	F
6. Neutrons are negatively charged.	T	or	F
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8. The atomic number tells you the number of electrons in the nucleus of an atom.	T	or	F
9. Energy is anything that has mass & takes up space.	T	or	F
10. Protons & electrons make up most of the mass of an atom.	T	or	F