Bill	l Nye:	Atom	IS					
Vocabulary								
atom	electron	element	matter	molecule	neutron	nucleus	proton	quark
Use the	word bank ab	pove to fill in	the blanks.					
1. Anyt	thing that has	mass and take	es up space	is				
2. A po	sitively charg	ged particle in	an atom is	the				
3. A(n) properti	es of the com	pound.		is the smal	lest unit of a	chemical con	npound that i	retains the
4. A(n)	<u>, , , , , , , , , , , , , , , , , , , </u>			is matter that i	s composed o	of only one ki	nd of atom.	
5. A ne	gatively char	ged particle ir	an atom is	the				
6. A(n) of that e	element; the b	uilding block	s of matter.	_ is the smalle	est particle of	an element th	hat retains th	e properties
7. A pa	rticle with no	charge that is	s found in a	n atom is the _				
8. An e	lementary pa	rticle that mal	kes up proto	ns & neutrons	is a(n)			·
9. The			is the	core of the ato	m, made up o	of protons & 1	neutrons.	
	w/New		v knew abo	ıt chemical rea	ctions that we	ere confirmed	l through wa	tching the
1.		8- y <u></u>		video:				
2.								
3.			_					
		Write down	3 new thing	s that you lear	ned from wat	ching the vide	eo:	

1.

2.

3.



Episode Guide What does the Greek word for atoms mean? ______ The heavy particles of an atom are located ______ 3. Atoms are mostly made up of ______. 4. ______ & _____ are located in the nucleus 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? What does the atomic number tell you about an element? ______ Anything that is not matter is a form of ______. 10. What element is found in every living thing? True or False 1. Atoms are mostly empty space. F T or 2. Each element has a specific number of protons in the nucleus. T F or 3. Electrons are the largest particles in an atom. T F or 4. A branch of chemistry is named after oxygen. T F or 5. Heat is a form of matter. T F 6. Neutrons are negatively charged. T or F 7. A quark is a small particle that makes up protons & neutrons. T F or 8. The atomic number tells you the number of electrons in the nucleus of an atom. F or

9. Energy is anything that has mass & takes up space.

10. Protons & electrons make up most of the mass of an atom.



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or

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