	Name_		Period	
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Matter Study Guide

1. Mat	ching	
	_ Atom	A. when a solid turns to a liquid
	_ Proton	B. subatomic particle with a negative (-) charge
	_ Nucleus	C. substance changes from one state to another
	_ Neutron	D. doesn't conduct electricity, not shiny
	_ Electron	E. fourth state of matter
	_ Atomic #	F. temp at which a substance becomes a gas
	_ Element	G. conducts heat and electricity well
	_ Metal	H. smallest unit of element that retains properties of the element
	_ Property	I. subatomic particle with no electric charge
	_ Periodic table	J. the number of protons in an atom
	_ Compound	K. center of an atom, contains protons
	_ Melting Point	L. amount of "stuff" in a given volume
	_ Boiling Point	M. all the elements arranged in order by atomic #
	_ Plasma	N. substance made up of two or more elements
	_ Phase Change	O. quality or trait that identifies a substance
	_ Density	P. contains only one kind of atom
	_ Nonmetal	Q. subatomic particle with positive (+) charge
2. Dra	w a model of ar	atom showing where the following parts are: Nucleus,
prot	ons, neutrons, o	electrons.
3. Pur	e mercury cont	ains only atoms, whereas other odium and chlorine combine to form a
		odium and chlorine combine to form a
calle	ed salt.	

	ains a air renem nun	nber of	IN IT:
	, which makes	each element differe	ent from one another
This number repres	sents the element's	·	
	·		
i. Elements with low			
are the most		elements in the un	iverse.
o. What is the most of combine with?	common element in t	the Earth's crust and	what does it often
'. Name the three m of their atoms: State	ain states of matte	r discussed in class a	nd show the spacing
State	1		
Spacing of Atoms			
·		npounds can exist in e	each
3. Atoms of elements 9. Water turns from	a solid to a liquid at	npounds can exist in e	grees F. This is
9. Water turns from called the	a solid to a liquid at	tdeg	grees F. This is

2. Where do we see exam	nple of the "fourth" state o _?	f matter,
•	e identified by its properties.	or
4. What happens to the part of	properties of a substance w	hen the volume of that
5. What is the differenc	e between an element, comp	oound and a mixture?
6. Every substance has t	wo types of properties that	help identify it:
Trunc of Duomonthy		
Type of Property		
· · · · ·		
· · · · ·		
Examples	/	
Examples 7. Density =	ostance increases, it's	

