Name:	Period:
PT quiz review	Date:
. Matching (there may be more than one let	tter for each description):
A+B Located in the nucleus	A. Proton
A Positively charged	B. Neutron
Attracted to one another	C. Electron
Neutrally charged	
Located in the electron cloud	
Negatively charged Equal in numbers	
2. If an atom has 8 protons, then how many	electrons will it have?
8 electrons	
3. Which subatomic particle is the only one	that does not change and determines the identity of an element?
Protons	
4. Isotopes are atoms that have the:	
a. Same # of protons and neutrons	
5. Same # of protons but different #s	s of neutrons
c. Different #s of protons but same #	
5 Determine the number of protons and neu	utrons for the following isotopes (hint: use atomic # for protons): # of neutrons = 10 # of neutrons = 8
a. Oxygen 18: # of protons = 8	# of neutrons = 10
b. Oxygen 16: # of protons = 8	# of neutrons = 8
6. True/False: Periods go left to right, and	
	//
7. What is the atomic symbol for the element	
8. What is the atomic name for the element	in period 6 group 8? Osmium
9. Use the word bank to label the element so	
Atomic mass Atomic	symbol Atomic number Atomic name
26←	Atomic #
	g.
T.	
HA 4	Atomic Symbol
10	
Inon	Atomic name
Iron←	7-11-0-1
56.	Homic Mass
1 .717	

- For the element in period 4 group 15 Atomic number = 33 # protons = 33 # electron = 33 Atomic symbol = As Atomic name = Acsecic Atomic mass = 75 # Neutrons = 42	- For the element in period 7 g Atomic number =	a.
11. Atomic size <u>decreases</u> as you go down a group.	left to right across a period but itincrea	as you go
12. Which atom will be bigger in size?	Iron or <u>Potassium</u>	* Atomic
Brittle and poor conductor Oxygen A Nickel Very shiny and reactive Corrodes Malleable Boron Mix of all characteristics	A. Metal B. Non-metal C. Metalloid	size is not the same as atomic mas a bigger atomic mass.
14. Which two elements in Group 14 on the p of electricity?	periodic table are most likely to be malleable	and good conductors
15. A) In what order did Dmitri Mendeleev a	Atomic mass	??
B) What pattern did Dmitri Mendeleev de Properties	iscover when he arranged the elements? of elements repeated	

10. Use your periodic table to complete the information for the elements below: