Name	Date	Hour



Study Guide 3-1 Development of the Periodic Table

Vocabulary Fill In

Use the following word bank to complete the paragraph. You may use your notes from chapter 3-1 as well as your book to help you.

well as	your book to help you.				
	Atomic number	Mendeleev	Mosley	Atomic Mass	
	Family	Period	Group	Periodic Law	
	Periodic Table	Metal	Nonmetal	Periodicity	
Dmitri Mendeleev developed a chart like arrangement of the elements					
called the 1 He stated that if the elements				nat if the elements	
were	listed in order o	f increasing 2		their	
properties repeated in a regular manner. He called this concept					
3		and develop	ed what we	e know today as the	
4 The arrangement used today, devised by					
5 differs from that of Mendeleev in that the					
elem	ents are arrange	d in order of inci	reasing 6	•	
				, or because of	
	esemblance betv				
				e was not officially	
			he is still known as the father		
	e periodic table.				

Multiple choice

- 11. Which of the following is not a periodic phenomenon?
 - a. Rising of the sun
 - b. Ocean tides
 - c. Ringing of 1st hour bell
 - d. Growth of a sunflower

 12. The modern periodic table is made of elements. a. 60 b. 92 c. 118 d. 25 	
13. In the modern periodic table, elements in the same have similar properties	•
a. Column	
b. Row	
c. Period	
d. Area	
14. In the 1860s, chemists could make which of the following statements about the know chemical elements?	/n
a. They all had identical properties	
b. They all had different properties	
c. Some had similar properties	
d. They could not be grouped.	
15. According to the arrangement of the periodic table. Each element has one more than the element directly to its left.	
a. Proton	
b. Neutron	
c. Quark	
d. Neutrino	
16. Which correctly describes elements in the same group?	
a. They have the similar properties	
b. They have the same number of electrons	
c. They have the same atomic mass	
d. They must be in the same state of matter	
17. Horizontal rows of the periodic table are called	
a. Clusters	
b. Families	
c. Groups d. Periods	
u. renous	

Summarize what you now know about the periodic table in a complete paragraph. Your paragraph should be 5-7 sentences. Please use a separate sheet of lined paper. (3pts)