Name		Class	Date	
Assessment				
Quiz	jus.	4 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	•	

1	In developing his periodic table, Mendeleev listed on cards each ele-
	ment's name, atomic mass, and
	a. atomic number.
	b. electron configuration.
	c. isotopes.
	d. properties.
2.	Mendeleev's periodic table did not always list elements in order of in-
	creasing atomic mass because he grouped together elements with similar $$
	a. properties.
	b. atomic numbers.
	d. colors.
	u. colors.
3.	Mendeleev predicted that the gaps in his periodic table represented
	a. isotopes.
	b. radioactive elements.
	c. permanent gaps.d. undiscovered elements.
	d. undiscovered elements.
4.	The person whose work led to a periodic table based on increasing
	atomic number was
	a. Moseley.
	b. Mendeleev.c. Rutherford.
	d. Cannizzaro.
	u. Cariffizzaro.
5.	An electron that is found in the outermost shell of an atom and deter-
	mines the atom's chemical properties is called a(n)
	a. valence electron.
	b. paired electron.
	c. <i>p</i> electron. d. octave electron.
	u. octave electron.
6.	The periodic law states that the physical and chemical properties of
	elements are periodic functions of their atomic
	a. masses.
	b. numbers. c. radii.
	C. PACH.

d. structures.

Name		Class	Date
Quiz continued			
		· 4	
7. Refer	to a periodic ta	ble. In which period	is calcium?
a. Per	iod 2		
b. Per	iod 4		
c. Per	iod 6	•	
d. Per	iod 8		
8. Refer	to a periodic ta	ble. In which group is	s calcium?
a. Gro			
b. Gro	oup 2		
c. Gro	oup 17		
d. Gro	oup 18		
9. An ele	ment that has t	he electron configura	ation [Ne] $3s^23p^5$ is in which
period		O .	. , .
a. Per	iod 2	•	
b. Per	iod 3		
c. Per	iod 5		
d. Per	iod 7		·
10. An ele	ment that has t	he electron configura	tion [Ne] $3s^23p^5$ is in which
group;		J	
a. Gro	oup 2		
b. Gro	-		
c. Gro	-	•	
d. Gro	-		