Name	Clas	s	Date
Skills Worksheet			
<b>Concept Revie</b>	w		
Section: Tour of the	Poriodic Tal	hla	
Complete each statement b			he following list
Terms may be used more th		, a term mom e	ino tonouving nou
main-group elements	halogens	metals	transition metals
alkaline earth metals	alkali metals	hydrogen	noble gases
1. The	have a s	ingle electron	in the highest occupied
energy level.			
<b>2.</b> The	are in the	s- and $p$ -bloc	ks of the periodic table.
<b>3.</b> All the	have t	wo valence ele	ectrons and get to a
stable electron configu			•
4. Unlike the main-group	elements, each gr	oup of the	
does not have the ident	ical outer electro	n configuratio	on.
<b>5.</b> The			
achieve stable electron	configurations by	y gaining one	electron.
<b>6.</b> The	have a fu	ll set of electr	ons in their outermost
energy level.			
<b>7.</b> The	are very	stable and hav	e low reactivity.
8. The	are highl	y reactive and	readily form salts with
metals.			
9. In general, the than the alkali metals a		_ are metals th	nat are less reactive
than the alkali metals a	nd the alkaline ea	arth metals.	
<b>10.</b> The	are metal	ls that lose on	e electron when they
react with water to for	m alkaline solutio	ns. 🛶	
11. Most elements are		·	
12 With its one valence of		•	roacte with money

## Answer the following questions in the space provided.

other elements.

13. Which groups compose the main-group elements?

e	Class	Date	•	
ncept Review continued				
Why are the main-group elements called the representative elements?				
Why are Group 2 element	s less reactive than Grou	up 1 elements?		
Explain why a helium atraich atmosphere.	nosphere is used in weld	ing instead of an oxygen-		
Using electron configurate alkali metals to form salt		logens readily react with the		
Why is an iron alloy, such as steel, preferred over pure iron?				
rided.		t word or words in the space		
		through		
	entents of Groups	unough		
Elements in Groups		rough		
		g rows below the table, are		
called transition element		ddod to the		
In the transition element	·			
known as the	_ orbital, which is why tl 	nese elements are also		