Name	Class	Date
Skills Worksheet		
Directed Readi	ng A	

Section: Chemical Formulas and Equations CHEMICAL FORMULAS

2. About how a. 100 b. 80	w many elements r	nake up all known sub c. 60 d. 50	stances?
a. atoms ob. electroc. elemen	of hydrogen in the	atom in the molecule.	
3. What is the a. O ₂ b. C ₆ H ₁₂ C	ne chemical formul	a for oxygen? c. H ₂ O d. Ca(NO ₃) ₂	
4. What is the a. O ₂ b. C ₆ H ₁₂ C	ne chemical formul	a for water? c. H ₂ O d. Ca(NO ₃) ₂	
5. What is the a. O ₂ b. C ₆ H ₁₂ C	ne chemical formul O ₆	a for glucose? c. H ₂ O d. Ca(NO ₃) ₂	
6. A combination of called a(n)7. What does a cher	·	s and numbers that reports. v?	resent a substance is
8. Covalent compo	ınds are usually co	omposed of two	
9. The formula for o	linitrogen monoxid	de is	·
10. The formula for o	carbon dioxide is _		·
		a(n)	and a(n)
12. The overall charg		pound is	

Name Class Date
Directed Reading A continued
Write the formula for each of the following ionic compounds.
13. sodium chloride
14. magnesium chloride
CHEMICAL EQUATIONS
15. What do musical notations and chemical equations have in common?
16 When the sixten and the sixten an
16. When chemical symbols and formulas are used as a shortcut to describe a
chemical reaction, it is called a(n)
17. A substance that forms in a chemical reaction is called a(n)
10. A substance as made all that most single about a location is called a(n)
18. A substance or molecule that participates in a chemical reaction is called a(n)
19. When carbon reacts with oxygen to form carbon dioxide, carbon dioxide is the
19. When carbon reacts with oxygen to form carbon dioxide, carbon dioxide is the
20. What will happen if the wrong chemical symbol or formula is used in a chemical equation?
21. In a chemical reaction,are never gained or lost.
22. Antoine Lavoisier's work led to the
23. The number placed in front of a chemical symbol or formula is called a(n)
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vame		Class	Date	
Directed R	Reading A continu	ied		
24. Chemica	al equations must	be balanced. Why?		
 25 How ma	ny oxygen atoms	are contained in the 1	formula 2CO ₂ ?	
23.110 W 111a	my oxygen atoms	are contained in the l	200 ₂ .	