Name	Class	Date
Skills Worksheet		
Directed R	eading A	4
Section: Elements	5	
1. Which of the a a crushing b weighing c melting d passing electric	-	a physical or chemical change?
ELEMENTS, THE SIMP	LEST SUBSTANC	ES
2. A pure substance that	t cannot be separate	ed into simpler substances by physical
or chemical means is	a(n)	·
3. A substance that cont	ains only one type	of particle is
a(n)	·	
PROPERTIES OF ELEM	MENTS	
4. The amount of an ele	ment present does	not affect the element's
5. Why does a helium-f	——. illed balloon float ı	up when it is released?
Look at each property lis write CP on the line. If it i		characteristic property of elements, tic property, write N.
6. size		12. color
7. melting point		13. hardness
8. density		14. flammability
9. shape		15. weight
10. mass		16. reactivity with acid
11. volume		

Name Class	Date
Directed Reading A continued	
CLASSIFYING ELEMENTS BY THEIR PROPE	EDTIES
17. What are two common properties that most t	
18. All elements can be classified as metals, met	alloids, or
•	
19. An element that is shiny and that conducts he	eat and electric current well is
a(n)	
20. An element that conducts heat and electric cu	urrent poorly, and can be a solid,
liquid, or gas is a(n)	·
21. Elements that have properties of both metals	and nonmetals
are	
Indicate whether the description applies to a me Write the correct letter in the space provided.	tal, a nonmetal, or a metalloid.
22. are malleable	a. metalloids
23. are dull or shiny	
24. are poor conductors	b. nonmetals
25. tend to be brittle and unmalleable as	c. metals
solids	
26. are always shiny	
27. are also called semiconductors	
28. are always dull	
29. are somewhat ductile	
30. include boron, silicon, antimony	
31. include lead, tin, copper	
32. include sulfur, iodine, neon	