Name	Class Date
Skills Worksheet	
Directed Reading	; A
Section: Elements	
 1. Which of the following a. crushing b. weighing c. melting d. passing electric cu 	ng is NOT a physical or chemical change?
ELEMENTS, THE SIMPLEST SUI	BSTANCES
	t be separated into simpler substances by
	s a(n)
3. A substance that contains on	ly one type of particle is
a(n)	•
PROPERTIES OF ELEMENTS	
	esent does not affect the element's
	and the three time elements
5. Why does a helium-filled ball	oon float up when it is released?
Look at each property listed below	v. If it is a characteristic property of elements,
write CP on the line. If it is not a c	characteristic 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 PROPER 17. What are some common properties that me	
18. All elements can be classified as metals, m	etalloids, or
19. An element that is shiny and that conducts	,
a(n) 20. An element that conducts heat and electric liquid, or gas is a(n) 21. Elements that have properties of both met	·
are	
Indicate whether the description applies to a m Write the correct letter in the space provided.	netal, a nonmetal, or a metalloid.
22. malleable23. dull or shiny24. poor conductors	a. metalloidsb. nonmetalsc. metals
25. tend to be brittle and unmalleable a	as solids
26. always shiny	
27. also called semiconductors	
28. always dull	
29. somewhat ductile30. boron, silicon, antimony	
31. lead, tin, copper	
32. sulfur, iodine, neon	