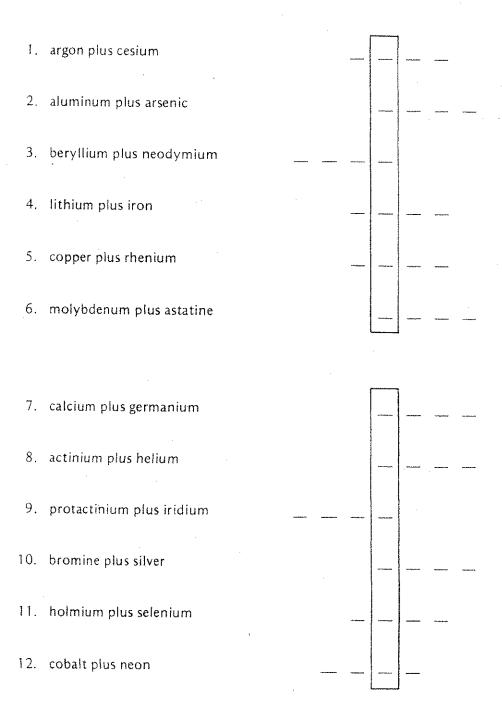
An Elemental Tale: The Gold Dust Kid

Adam mounted his trusty	steed, old (B)	. His shooting (Fe)
		lights of London, aiming to
		of precious (U)
		eep breath of (O)
		ills. Since the (Hg)
the state of the s		, tasting the (CI)
		As he headed west, his bones ached
from the (Ca) deposits bu	ilt up over the years of riding the	e (Zn) trail. Overhead,
(He)fi	lled balloon floated in the breeze	e; the sun beat down like burning (Mg)
	Soon he spotted the ban	nk, guarded by Sheriff Will, with his (Sn)
badge. "Half	!!", yelled Will, "or I'll fill you full c	of (Pb) Will drew his
gun, but alas, he was too	slow. Adam's gun, blazing like f	laming (Mg) did the
(Cu)	in. Anyone who drew o	n Adam should know their life wasn't
worth a plug (Ni)	Sudde	enly, a shout rang out "Hi Ho (Ag)
	!" A masked man on a white ho	rse raced across the (Si)
sands like (Na)	skittering on w	vater. A (H)
oomb would not have stop	ped the lawman; Adam had met	his doom. The rest of his life was to be
pent behind (Fe)	bars, a warning to all who	flirt with danger. Your first detention
nay be the initial step in th	e (C)	copy life of the saga of the (Au)
Dust Kid		
		The Market

NAME	DATE
CLASS	TEACHER

SYMBOLS OF THE ELEMENTS

Each of the elements listed below has a symbol consisting of two letters. The symbols of each pair-of elements form a four-letter word. (Example: The symbol for lanthanum—La—plus the symbol for cerium—Ce—form the word lace.) Write each of the four-letter words in the spaces indicated. If you do it correctly, the letters in the marked vertical column will spell the names of two other elements.



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ORIGINS OF NAMES OF ELEMENTS

The elements were named in many different ways. Some were named after places, such as strontium, named after a place in Scotland. Some were named after persons, such as mendelevium, named after a Russian scientist. Many of the other names came from Latin, Greek, or German words. For example, nickel is a shortened version to contain copper but yielded none. Shown below are the names of three planets that have elements named after them—uranium, plutonium, and neptunium. Keeping the list of elements before you and using the letter clues given here, how quickly can you supply the other elements described below?

	R	, , .	TI	e elements descri	bed below?
	**************************************		<u> </u>	1.	From a Latin word meaning "ray."
		H 	B	2.	From a Greek word meaning "water former."
		***************************************	8	<u></u> 3.	From a Latin word meaning "coal."
			<u>N</u>	4.	From a Greek word meaning "new."
	<u></u> -		<u>U</u>	5.	From a Greek word meaning "sun."
			<u>S</u>		6. From a Latin word meaning "flint."
ar a f			P		7. Named after a continent.
					— 8. Named after a state of the United States.
G	****/\$PARAMA COMMANDE AND			9.	Named after a country in Europe.
		manage manage		10.	From a Greek word meaning "hidden."
			<u>_</u>	11.	From a Greek word meaning "light green."
٨	0			12.	From a Greek word meaning "acid producer."
	þ			13.	From a Greek word meaning "strange."
			P	14,	From a Greek word meaning "light bringer."
		~		representation of the Management of the Manageme	15. Named after a famous scientist.
	<u>B</u>		U –	16.	From a Greek word meaning "heavy."
/		<u> </u>			Named after a Norse goddess.
				18.	From a Greek word meaning "violet-like."

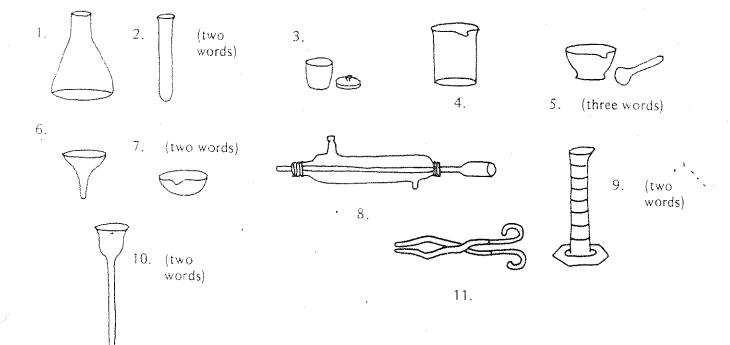
NAME	DATE
CLASS	
	NAMES OF ELEMENTS
likely to down into it. Answe	can find the name of a chemical element that will fit into each blank below (Example: If you struggle when you get caught in quicksand, you are more $x: zinc.$) Start with A and go through the list of elements to find the items order. Write the names of the elements in the spaces at the left.
	1. I feel sad in the fall when all the flowers
	2. You don't sprinkle bulbs on top of the ground as you do grass seed; instead you several inches deep.
	3. It was a long journey but the members of the wagon train
	4. The caught the thief red-handed as he was trying to break into the store through the back entrance.
	5. In my opinion, an iris is much prettier than a mari
	6. The the site of the ancient city holds the remains of an emperor.
	7. Jeremy the way and everyone followed.
	8. I am hardly able to walk after bumping my the car door.
	9. Candy bars used to cost a but now most of them are ten or fifteen cents.
,	10. The general planned to stage a the enemy camp on Saturday night after everyone was asleep.
	11. All the time he was being sentenced for armed robbery, the was smiling and waving at his friends.
	12. These plants\$2.00 each.

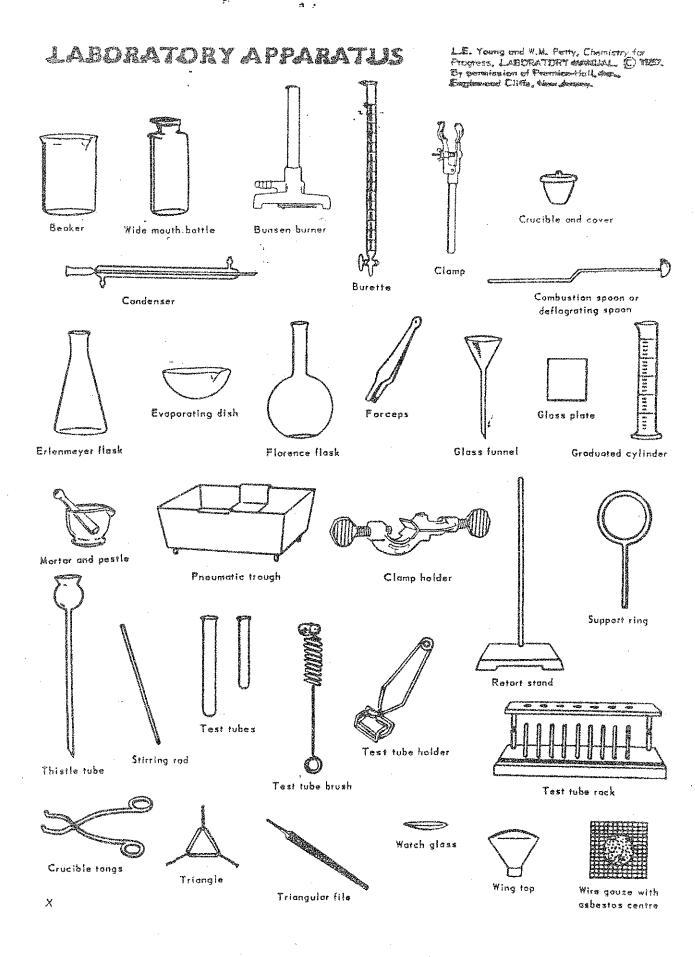
NAME	DATE
CLASS	TEACHER

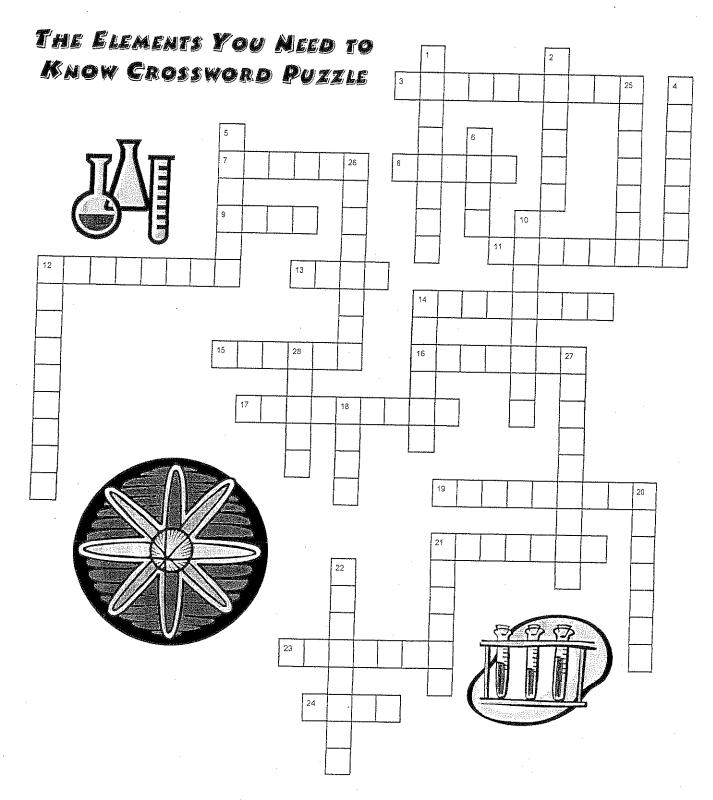
A CHEMIST'S EQUIPMENT

On the blanks, write the names of all of the items of equipment illustrated. Then find the name of item one hidden in the diagram below and circle it. Item two will then be found linked into item one. (If item one is vertical, item two will be joined into it horizontally, and item three will be joined into two vertically, and so on.) See how quickly you can locate them all.

K
N
X
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O
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U
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S
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Across Clues:

3. P 7. O 8. Ar 9. Fe 11. Al 12. Pt 13. Ne 14. H 15. C 16. Li 17. Be 19. K 21. S 23. Br 24. Zn

Down Clues:

1. Cl 2. Cu 4. Ca 5. Na 6. Au 10. F 12. Pd 14. He 18. Pb 20. Hg 21. Ag 22. Cr 25. Si 26. N 27. Mg 28. B