Name	Date
	Date

## EVERYDAY PHYSICAL SCIENCE

## ATOMIC NUMBERS OF ELEMENTS

	he atomic nydrogen has nis activity.	number of an s 1 proton, an	element is the number	er of protons in an atom's center. For example, is 1. Use the periodic table on page 59 for						
1.	with atomi	ic numbers of		f. number of ounces in a pound						
			15	g. number of quarts in a gallon						
	20	25	30	g. number of quarts in a gallon						
2.	Write the a whose syml	tomic numbe bols begin wi	ers for five elements th the letter C.	h. number of sides in a pentagon						
				5. Add the atomic numbers of these elements:						
3.				U						
3. What is your age? Which element has that atomic number?				C						
	The state of the s	ciic iias ciiac a	tomic number?	Cl						
4. Write the symbols for the elements whose atomic numbers match these descriptions:				Au + Al						
a. number of states in the U.S.				Total						
ł	number o	f planets in tl	ne solar system	6. Identify the atomic numbers of these metals: silver						
c	number o	f moons of Ea	arth	gold						
đ	number of	years in a de	cade	lead						
e.	number of	centimeters i	n a meter	ironchromium						

## physical science

## ELEMENTS AND THEIR ATOMIC NUMBERS

Chemical elements are identified by their atomic numbers. For example, hydrogen (H) is element 1, oxygen (O) is element 8, and uranium (U) is element 92.

Write the symbols for the elements below above their atomic numbers to spell out some statements. Use the periodic table of elements on page 59 to help you.

Example:	Н	0	W
	1	8	74

90	53	16		53	16		9	92	7	- •				
6	8	8	19		92	16		20	7	- 66	•			
2		8	74	7	16		90	85		5	92	16	39	
4	99		20	26	•"									
90	85		15	57	39	68		3	19	99		74	85	68
50	8	74	9	57	19	99		27	23	68				
1	 53	16		27	85	•								

Use the periodic table to create your own words and sentences. See if a class member can decode your creations. What is the longest word you can create using the atomic numbers?