lame	Class Date
Activity	Classification of Elements: The Periodic Table
Iden	tifying Unknown Elements
Use the periodic table escribed in the statements b	to identify the elements pelow.
1. This element is in the sa	me family as lead, and it has fewer protons than sodium.
2. This element has an ator	mic number that is one greater than platinum.
3. This element has the mo	ost protons of any element in Group 15.
4. This element has more t	han 50 but less than 75 protons, and it is in Group 17.
5. This Group 2 element has sulfur.	as fewer protons than bromine, but more protons than
6. This element has the low	vest atomic number of any Group 16 element.
7. This element has an atom	nic number that is double the atomic number of silicon.
3. This element has more vaneon, more protons than	alence electrons than oxygen, fewer valence electrons than sodium, but fewer protons than argon.

10. This element is in Group 1 and has a higher atomic number than chlorine, but a lower atomic number than bromine.

valence electron than the Group 16 elements.

## WHO AM I?

These mystery elements are waiting to be identified. The trick is—you'll need the Periodic Table to unmask their identities. Unless you have it memorized, you'll need a copy of the table from your science book Read the clues about each mystery element, figure out what it is, and then write the name and symbol of the element.

