

Name _____ Per. _____



Element Puzzlers

Use your periodic table to answer the questions.

- _____ 1. This element is in the same family as lead, and it has fewer protons than sodium.
- _____ 2. This element has an atomic number that is one greater than platinum.
- _____ 3. This element has the most protons of any element in Group 15.
- _____ 4. This halogen has more than 50 but fewer than 75 protons.
- _____ 5. This alkaline earth metal has fewer protons than bromine, but more protons than sulfur.
- _____ 6. This element has the lowest atomic number of any Group 16 element.
- _____ 7. This element has an atomic number that is double the atomic number of silicon.
- _____ 8. This element has more valence electrons than oxygen, fewer valence electrons than neon, more protons than sodium, but fewer protons than argon.
- _____ 9. This element has an atomic number lower than that of aluminum and one less valence electron than the elements in the oxygen family.
- _____ 10. This element is an alkali metal and has a higher atomic number than chlorine, but a lower atomic number than bromine.

Element Puns

Use your imagination and the elements in the periodic table to solve each pun.

Example: What do you do to flowers? ans. Platinum (Pt).

1. Name of a goofy convict _____
2. What you do to a wrinkled shirt _____
3. What you do in a play _____
4. Not an exciting person _____
5. Does a body good _____
6. This man followed the yellow brick road _____
7. What a doctor does to his patients _____
8. Part of a whole _____
9. Place for washing dishes _____
10. A sinking ship _____
11. Mickey's pal _____





Element Code

Each question contains element clues that will help you spell a common word. Write the symbol for each element described to find the mystery word.

1. _____
 - a. Transition metal number 24
 - b. A common halogen with the atomic mass of 127 a.m.u.
 - c. Family 13 is named after this element

2. _____
 - a. An active alkaline earth metal with 56 protons
 - b. The alkali metal in Period 3
 - c. The metal element that makes up table salt

3. _____
 - a. The first of the alkali metals
 - b. The element with an electron configuration of 2-6
 - c. A Period 2 nonmetal with 5 valence electrons

4. _____
 - a. Element in the boron family with the atomic mass of 70 a.m.u.
 - b. The last of the alkaline earth metals
 - c. Metalloid in Group 14, Period 4

5. _____
 - a. Element found in the first family of transition metals and in Period 7
 - b. Period 2 nonmetal with 6 valence electrons
 - c. The last of the noble gases, other than element 118

6. _____
 - a. A transition metal with a one letter symbol, used in incandescent light bulbs
 - b. Period 4 element in the nitrogen family
 - c. The second element in Group 15
 - d. Period 3 element with 6 valence electrons