

Use with textbook pages 52-57.

Using the periodic table

Vocabulary

average atomic mass
atomic number
electrons
families
good
halogens
ions
ion charge
metals

metalloids
multiple ion charge
noble gases
non-metals
periodic table
periods
poor
properties

Use the terms in the vocabulary box to fill in the blanks. You can use each term more than once. You will not need to use every term.

1. The _____ organizes the elements according to their physical and chemical _____.
2. The periodic table is divided into seven horizontal rows called _____ and 18 vertical columns called _____.
3. _____ appear on the left side of the periodic table. These elements are _____ conductors of heat and electricity.
4. _____ appear on the right side of the periodic table. These elements are _____ conductors of heat and electricity.
5. The _____ form a zigzag staircase arrangement on the periodic table. These elements have properties similar to both _____ and _____.
6. The _____ refers to the number of protons that an atom has in the nucleus.
7. The _____ is the weighted average of the masses of the atoms of an element.
8. A(n) _____ is an electric charge that forms on an atom when it gains or loses electrons.
9. Some metals, like platinum and cobalt, form _____ in more than one way. In other words, they have a(n) _____.

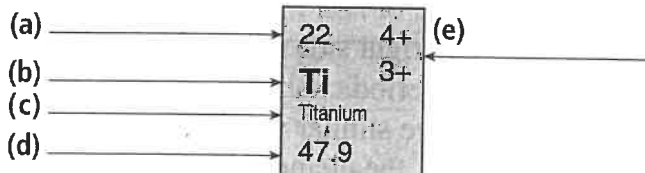
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What is in the box?

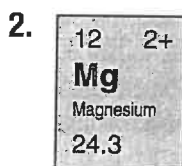
Test your knowledge how information is displayed for each element in the periodic table.

1. Use the vocabulary words listed to label the diagram.

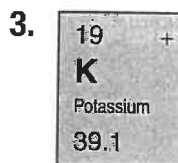
Vocabulary	
ion charge	name
atomic number	symbol
average atomic mass	



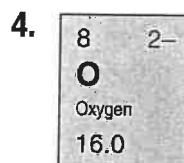
Examine the periodic table entry for each of the following elements and complete the blanks below.



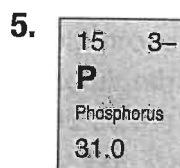
- (a) atomic number _____
- (b) average atomic mass _____
- (c) ion charge _____
- (d) number of protons _____



- (a) name of element _____
- (b) ion charge _____
- (c) number of protons _____
- (d) average atomic mass _____



- (a) atomic number _____
- (b) average atomic mass _____
- (c) ion charge _____
- (d) symbol of element _____



- (a) name of element _____
- (b) average atomic mass _____
- (c) ion charge _____
- (d) number of protons _____