

Skills Worksheet

Vocabulary and Section Summary B

Arranging the Elements

VOCABULARY

After you finish reading the section, try this puzzle! The underlined words and phrases below are incorrect. Correct the sentences by writing the proper word or phrase in the space provided.

1. The ~~atomic rule~~ states that the repeating chemical and physical properties of elements change periodically with the atomic numbers of the elements.
periodic law
2. A ~~period~~ is a vertical column of elements in the periodic table.
group or family
3. ~~Conductors~~ are elements having properties of metals and nonmetals.
metalloids
4. The term ~~malleable~~ describes something that occurs or repeats at regular intervals.
periodic
5. Atoms that have the same number of protons but different numbers of neutrons are ~~compounds~~ of each other.
isotopes
6. A vertical column of elements in the periodic table is also called a ~~metalloid~~.
group or family
7. A horizontal row of elements in the periodic table is called a ~~family~~.
period
8. Dmitri Mendeleev's table of elements became known as the ~~repetitive chart~~ of the elements.
periodic table

Skills Worksheet

Vocabulary and Section Summary B

Grouping the Elements

VOCABULARY

After you finish reading the section, try this puzzle! Use the clues to unscramble the letters in each word or phrase. Then, unscramble the letters in cubes to complete the sentence at the end.

1. any element in Groups 3–12: NTORIATNIS LAMET

— — — — — **transition metal** — — — —

2. elements that don't readily react with other elements: BLONE SSGEA

— **noble gases** — —

3. group containing iodine and chlorine: SHENOLAG

— — **halogens** —

4. one of the elements of Group 1: LAKLIA STEAML

— — **alkali metals** — —

5. elements whose atoms can combine to form compounds: ERVEITAC

reactive — — —

6. what scientists once called noble gases: TIREN SAGES

— — — **inert gases**

7. metals with two electrons in the outer level: LEANLIKA-HEART LESAMT

— — — — **alkaline-earth metals** — — —

8. Knowing what group an element is in can help you

P **D** **I** **T** **S** **P** **P**

PREDICT ITS PROPERTIES