N.		C)	5.
Name	na D continued	Class	Date
Directed Readi	ng B continuea		
ISOTOPES			
a. the b. the c. a d	ifferent isotopes of same number of pasame number of number of number of number atomic number mass.	rotons. eutrons.	ve
a. Theb. Thec. The	of the following is ey are radioactive. ey have a nucleus t ey give off energy a ey give off smaller p	hat always remains s they fall apart.	s the same.
	s the mass number electrons?	of an isotope that	has 5 protons, 6 neutrons,
	on has an atomic n n-12 have?	umber of 6, how n	nany neutrons does
16. Most element	s contain a mixture	e of two or more _	
17. The weighted	average of the mas	sses of all the natu	rally occurring isotopes
of an element	is the	·	
FORCES IN ATOM	ЛS		
Match the correct provided.	definition with the	correct term. Write	e the letter in the space
18. helps j	protons stay togeth	er in the nucleus	a. gravitational force
19. pulls o	bjects toward one	another	b. electromagnetic forcec. strong force
20. an imp	ortant force in rad	ioactive atoms	d. weak force

_____21. holds the electrons around the nucleus

Name Class Date

Skills Worksheet

Vocabulary and Section Summary B

Development of the Atomic Theory VOCABULARY

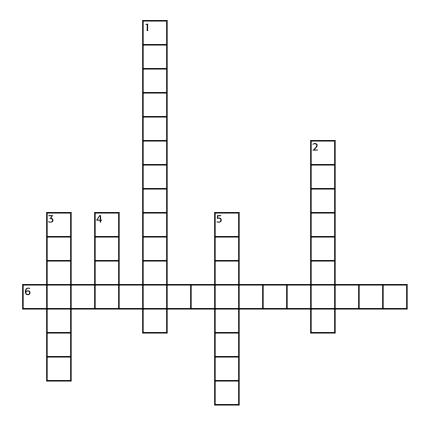
After you finish reading the section, try this puzzle! Use the clues below to solve the crossword puzzle.

ACROSS

6. name for Thomson's model of the atom

DOWN

- 1. a region around the nucleus of an atom where electrons are likely to be found
- **2.** a subatomic particle that has a negative charge
- **3.** an atom's central region, which is made up of protons and neutrons
- **4.** the smallest unit of an element that maintains the properties of that element
- **5.** another name for electron clouds



Name	Class	Date
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Skills Worksheet

Vocabulary and Section Summary B

The Atom VOCABULARY

After you finish reading the section, try this puzzle! Use the definitions below to unscramble the vocabulary words.

- weighted average of the mass of all naturally occurring isotopes of the same element: MICTOA SAMS
 positively charged particle in the atom: TORPNO
- **3.** particle in the atom that has no charge: TRONUNE
- **4.** atoms with the same number of protons but different numbers of neutrons SOOTPIES
- **5.** number of protons in the nucleus of an atom: MICOTA BRUMEN

6. SI unit used to express the mass of atomic particles: TMCOAI SASM NTUI

7. sum of protons and neutrons in the nucleus of an atom: SAMS BRUNEM