

## Skills Worksheet

**Vocabulary and Section Summary B****Compounds****VOCABULARY**

After you finish reading the section, try this puzzle! First, use the clues below to unscramble the letters, and write the correct term(s) in the space provided.

1. the simplest substance: METLEEN

— — — **e l e m e n t** —

2. compounds formed by plants through photosynthesis and broken down by plants and plant-eating animals for energy: RTBYEAHCSADRO

— **c a r b o h y d r a t e s** — — —

3. made up of atoms of two or more different elements joined by chemical bonds: DPCOONUM

— **c o m p o u n d** — —

4. a sample of matter, either a single element or a single compound, that has definite chemical and physical properties: URPE ESCUNBATS

**p u r e** — — — — **s u b s t a n c e**

5. compound formed when magnesium reacts with oxygen: SMEINGUAM DIOEX

— — — **m a g n e s i u m** — — — **o x i d e** —

Now, unscramble the boxed letters to reveal a fact about compounds.

6. A compound has **p r o p e r t i e s** — — — that are different from those of the elements that formed the compound.

**SECTION SUMMARY**

Read the following section summary.

- A compound is a pure substance composed of two or more elements.
- During a chemical reaction, the atoms of two or more elements react with each other to form molecules of compounds.
- Each compound has unique physical and chemical properties that differ from those of the elements that make up the compound.
- Compounds can be broken down into simpler substances only by chemical changes.

Skills Worksheet

# Vocabulary and Section Summary B

## Mixtures

### VOCABULARY

After you finish reading the section, try this puzzle! Identify each term described by the clues. Then, find the terms in the word search puzzle. Words may appear forward, backward, horizontally, vertically, or diagonally.

- solubility** 1. the ability of one substance to dissolve in another at a given temperature and pressure
- solvent** 2. in a solution, the substance in which the solute dissolves
- concentration** 3. can be expressed as grams of solute per milliliter of solvent (g/mL)
- mixture** 4. a combination of two or more substances that are not chemically combined
- solute** 5. in a solution, the substance that is dissolved
- mixture** 6. brass, salt water, and air, for example

N	R	B	V	Q	Y	D	N	D	F	Y	U	C	S
W	O	Q	P	M	K	O	Y	Z	P	T	M	A	O
D	Z	I	E	Z	I	X	B	Z	P	I	D	H	L
O	V	Y	T	T	Y	H	D	V	C	L	X	F	U
H	I	S	U	A	Z	Q	F	L	L	I	I	A	T
U	K	L	O	F	R	S	E	A	K	B	E	C	E
O	O	R	B	L	U	T	D	I	F	U	G	L	T
S	W	R	Z	P	V	N	N	C	W	L	X	E	P
M	I	X	T	U	R	E	P	E	A	O	L	U	U
H	C	H	F	O	S	T	N	E	C	S	S	N	S
G	R	C	Y	Q	K	O	Y	T	O	N	E	X	E
H	P	F	F	M	S	W	I	Y	D	R	O	C	K
S	B	S	O	R	W	M	V	G	G	C	W	C	S