

# SCIENCE PUZZLERS, TWISTERS & TEASERS

## The Flow of Fresh Water

### Map to a Message

Follow the instructions on this worksheet to uncover a hidden message.

1. Use the following clues to fill in the blanks with terms from the chapter.

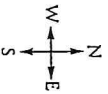
- Where acretion and saturation zones meet  
\_\_\_\_\_
- When rain rolls into a stream  
\_\_\_\_\_
- A stream follows this  
\_\_\_\_\_
- A measure of the change in elevation over a certain distance  
\_\_\_\_\_
- The downward movement of water through spaces in soil due to gravity  
\_\_\_\_\_
- Basin served by a river system  
\_\_\_\_\_
- Water falling from the sky  
\_\_\_\_\_
- How rain gets back up  
\_\_\_\_\_
- Water down under  
\_\_\_\_\_
- Delta on dry land  
\_\_\_\_\_
- Process that can renew the soil  
\_\_\_\_\_
- A rock sandwich with water  
\_\_\_\_\_
- Small contributors to a big river  
\_\_\_\_\_
- When water vapor cools in a cloud  
\_\_\_\_\_

### The Flow of Fresh Water, continued

- Underground erosion causes a circular depression  
\_\_\_\_\_
- When cap rock is cracked  
\_\_\_\_\_
- Eventually levels mountains  
\_\_\_\_\_
- Amount of space between rock particles  
\_\_\_\_\_

2. Each of the boxes above should now contain either an N, an S, an E or a W. Use these cardinal directions, in the order in which they appear above, to navigate the grid below. For example, if the first direction is W, you will move one block to the left. If the next direction is N, you will then move one block up, and so on. The letters you connect in this way will reveal a secret message.

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

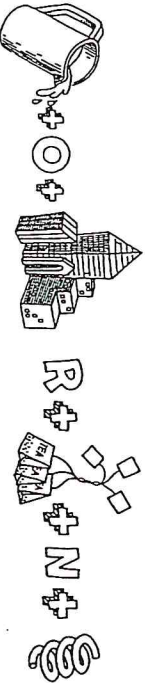


Start

Message: \_\_\_\_\_



3. Which terms from the chapter are these picture puzzles trying to express? Write the term in the blank.



a. \_\_\_\_\_ b. \_\_\_\_\_