

## Chapter 6 Running Water and Groundwater

**Section 6.1 Running Water**

*This section discusses the water cycle and how water flows in streams.*

ENVIRONMENTAL SCIENCE  
MR. BETHEL  
BLIZZARD BAG #2

**Reading Strategy**

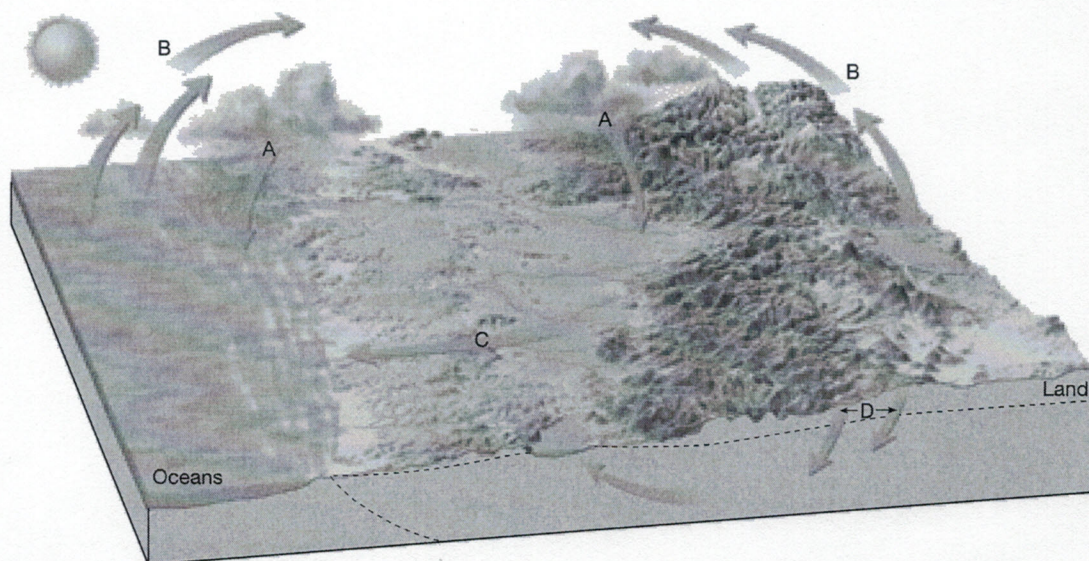
**Building Vocabulary** As you read this section, define in your own words each vocabulary term listed in the table. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

Vocabulary Term	Definition
Water cycle	
Infiltration	
Transpiration	

**The Water Cycle**

- Circle the letter of the term used to describe the unending circulation of Earth's water supply.
  - water balance
  - water cycle
  - base level
  - transpiration
- Select the appropriate letter in the figure that represents each of the following processes in the water cycle.

_____ runoff	_____ evaporation
_____ precipitation	_____ infiltration



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### Earth's Water Balance

5. 🌀 Earth's water cycle is balanced in that each year the average amount of precipitation that occurs over Earth is equal to the amount of water that \_\_\_\_\_.

### Streamflow

6. 🌀 A stream's ability to pick up and move material depends largely on its \_\_\_\_\_.
7. What are five factors that determine the velocity of a stream?

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Match each definition with its term.

Definition	Term
_____ 8. course that water in a stream follows	a. gradient
_____ 9. volume of water flowing past a certain point in a given unit of time	b. discharge
_____ 10. steepness of a stream channel	c. velocity
_____ 11. distance that water travels in a period of time	d. stream channel

### Changes from Upstream to Downstream

12. 🌀 Is the following sentence true or false? A stream's discharge increases between the headwaters and mouth of the stream.  
\_\_\_\_\_
13. 🌀 Is the following sentence true or false? From its headwaters to its mouth, a stream's gradient increases. \_\_\_\_\_

### Base Level

14. 🌀 Circle the letter of the lowest point to which a stream can erode its channel.
- mouth
  - headwaters
  - valley
  - base level
15. 🌀 Circle the letter of what a bend in a stream is called.
- meander
  - tributary
  - mouth
  - valley