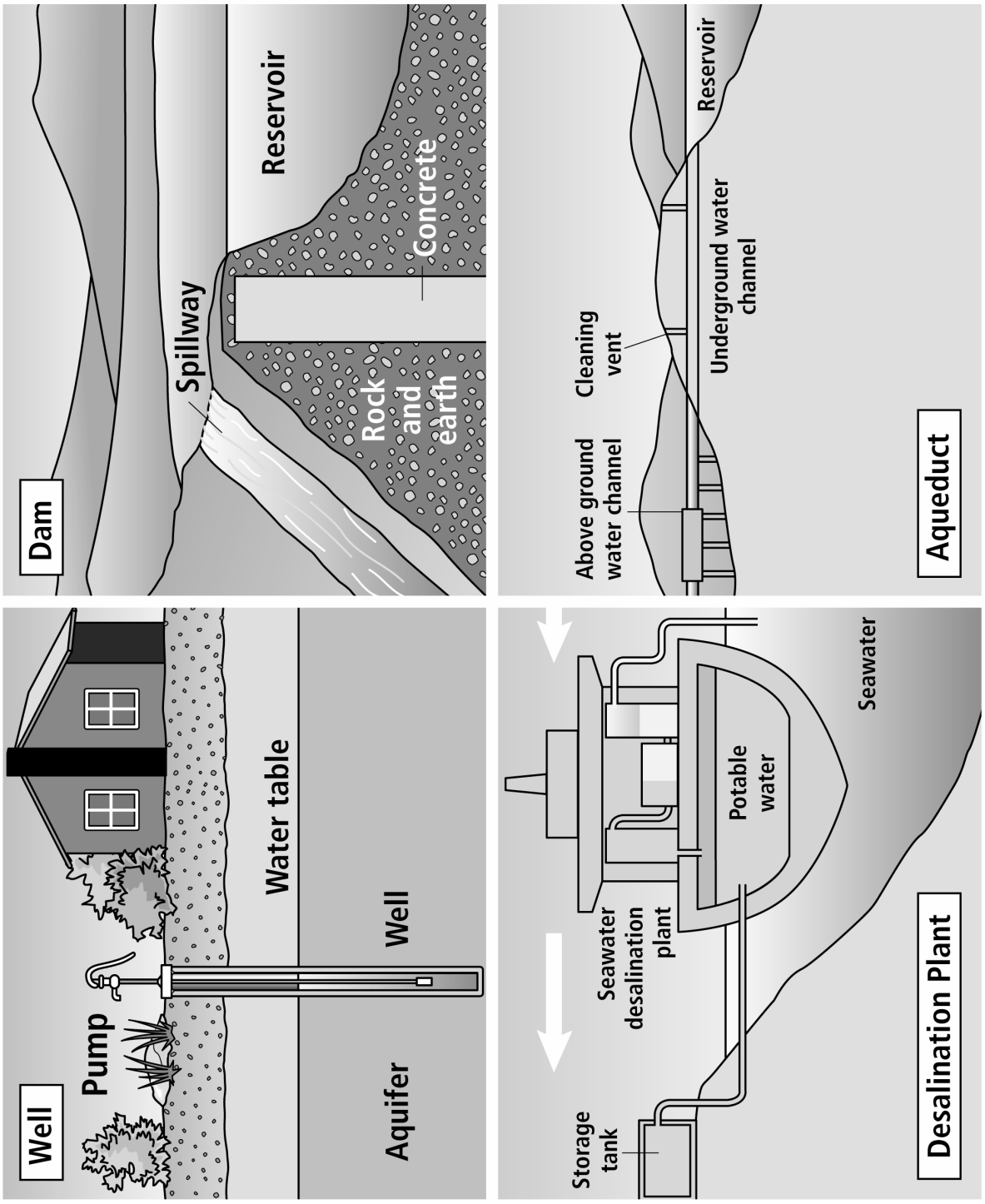
GETTING FRESHWATER RESOURCES

Use with Chapter 24
Section 24.4



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1. How does a well provide water, and how is this water supply replenished?

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2. If the population of the area greatly increases and more wells are constructed, how might the well-water supply shown be affected? Explain your answer.

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3. How are dams used to manage freshwater resources?

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4. How is the water in reservoirs used?

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5. How is freshwater produced at a desalination plant?

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6. What two energy sources are used in desalination? How do they compare?

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7. What are aqueducts used for?

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Teaching Transparency 75 – Getting Freshwater Resources

1. Wells drilled into the ground tap groundwater in aquifers. This water is replenished by rain that percolates downward through soil and rock by the process of natural recharge.
2. The groundwater may get used faster than it can be recharged, causing the water table to drop below the well. Water shortages would occur.
1. They control the flow of water, capturing and storing a river's flow as well as rain and melting snow.
2. It is released for irrigation and municipal uses, and is used to produce hydroelectric power and for recreation.
3. Salt water is heated until it evaporates. Then it is condensed, and the resulting freshwater is collected.
4. Some desalination plants use solar energy, which is slow but inexpensive and renewable. Others use fuel, which is faster but more expensive.
5. They carry freshwater from where it is plentiful to where there is a great demand for it, such as to cities and agricultural areas.