

## Answer Key with Questions

### Lesson Check: Human Impact on Water Resources

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1) Why is it important to clean, conserve, and protect water?

- ☐ Water is expensive.
- ☐ Water is a living thing.
- ☐ Water can be frozen.
- ☐ Water is a limited resource.

#### Correct Answer

Water is a limited resource.

2) A scientist is studying the effects of burning fossil fuels. One effect is acid rain. She is creating a plan to prevent further acid rain damage to the ecosystem. What should the scientist include in her plan? Select **all** that apply.

- ☐ Ask people to drive more instead of walking or biking.
- ☐ Develop vehicles that burn more gasoline per mile driven.
- ☐ Reduce the amount of public transportation available in the city.
- ☐ Develop vehicles that use renewable energy instead of fossil fuels.
- ☐ Encourage people to carpool instead of driving individual vehicles.

#### Correct Answer

Develop vehicles that use renewable energy instead of fossil fuels.  
Encourage people to carpool instead of driving individual vehicles.

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3) Which of the following is not one of the "three Rs" of conservation?

- ☐ recycle
- ☐ reduce
- ☐ refilter
- ☐ reuse

**Correct Answer**

refilter

4) Fill in the blanks using the available answer choices.

Most gases that lead to acid rain come from \_\_\_\_\_ .  
(Blank 1)

Blank 1 options

- natural sources
- burning fossil fuels

**Correct Answer**

burning fossil fuels

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5) Which will most likely happen if lake water becomes polluted by humans?

- ☐ Animals in the lake will die.
- ☐ There will be more fish in the lake.
- ☐ The pollution will not hurt the plants or animals in the water.
- ☐ It will change the soil around the lake into pebbles.

#### Correct Answer

Animals in the lake will die.

6) It has been very dry in Miguel's city for the past several months. The local government has placed the city under a drought warning, which means people in the city should try to conserve as much water as possible.  
What can Miguel do to help conserve water? Select **all** that apply.

- ☐ filter water before drinking it
- ☐ take short showers instead of baths
- ☐ brush his teeth at the same time each day
- ☐ turn off the water when he brushes his teeth
- ☐ wash his hands using hot water instead of cold water

#### Correct Answer

take short showers instead of baths

turn off the water when he brushes his teeth

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- 7) Victoria went to a stream near her home and recorded these observations. What can you conclude from her observations?

A notepad with four observations:

- ☐ Water Temperature  
90° degrees
- ☐ Water Speed  
Still
- ☐ Number of Insects  
Few
- ☐ Water Quality  
Strange odor

- ☐ It is clean.
- ☐ It is suitable to drink.
- ☐ It is polluted.
- ☐ It has lots of fish.

#### Correct Answer

It is polluted.

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- 8)** Give an example of how the hydrosphere is connected to the biosphere and what you can do to help conserve the hydrosphere.

#### **Correct Answer**

Answers may vary.

#### **Explanation**

Sample answer: The biosphere is made up of all living things. Living things need water to survive and grow which they can get from the hydrosphere. A way to help conserve the hydrosphere is to make a water friendly front yard that has less plants that need a lot of water and less grass.

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9) Which of the following is one way humans pollute the hydrosphere?

- ☐ fishing
- ☐ farming and causing soil runoff
- ☐ going on a paddle boat
- ☐ cleaning up an oil spill

#### Correct Answer

farming and causing soil runoff

10) Camila notices that people throw trash on the ground around the pond by her house. The ducks and fish that live in the pond can be harmed by this trash. Camila wants to come up with a plan to clean up the pond and keep it clean. Which of these should be part of Camila's plan? Select **all** that apply.

- ☐ Put up signs that ask people not to litter.
- ☐ Move the ducks and fish to a new pond.
- ☐ Ask more people to come fish in the pond.
- ☐ Use nets to get the existing trash out of the water.
- ☐ Put trash cans around the pond for people to use.

#### Correct Answer

Put up signs that ask people not to litter.

Use nets to get the existing trash out of the water.

Put trash cans around the pond for people to use.