

Water Shapes Our Planet and Our Lives

Quiz Answer Key for Lessons 1-6

Lesson 1: The Water Cycle

Question 1: Name the water cycle processes.

Answer: 1. Evaporation 2. Transpiration or Evapotranspiration 3. Precipitation

Question 2: What is the main source of energy for the water cycle?

Answer: The Sun

Question 3: In this stage of the water cycle, water becomes a gas called water vapor.

Answer: Evaporation

Question 4: Which stage in the water cycle is the opposite of evaporation?

Answer: Condensation

Question 5: Describe one way to conserve water.

Answer: (Multiple correct responses) Take shorter showers; turn off the water when brushing your teeth; water the lawn in the evening when it is cooler outside; etc.

Lesson 2: Weather and Climate

Question 1: Describe the difference between weather and climate.

Answer: Weather describes the daily conditions in a specific location, while climate refers to the general conditions in a region expected over a long period of time.

Question 2: What type of front causes thunderstorms?

Answer: Cold front

Question 3: Which climate zone is closest to the equator?

Answer: Tropical

Question 4: Name one thing that causes sea level rise.

Answer: (Multiple correct responses) Land ice melting; ocean warming; ocean water expanding; land sinking

Question 5: What is one way you can help prevent climate change?

Answer: (Multiple correct responses) Use less energy; ride a bike or walk to go places; turn out the lights when you leave a room; turn off devices that are not being used; etc.

Lesson 3: Weather Tools

Question 1: What type of clouds do you see in this picture?

Answer: Nimbus

Question 2: What do you call winds coming from the north?

Answer: Northerly, north, or northern winds

Question 3: True or False? A Stationary Front is when a mass of cold air overtakes a mass of warm air.

Answer: False

Question 4: Sam wanted to go hiking with her friends, but she was worried it might rain. After using one of the tools we talked about, she was able to go on a hike and come back completely dry. Which tool did she use?

Answer: Barometer

Question 5: *What weather tool is used to measure wind speed?*

Answer: Anemometer

Lesson 4: Watersheds and Wetlands

Question 1: *Why do rivers and streams flow toward the ocean?*

Answer: (Multiple correct responses) Gravity; rain flows downhill from higher elevation to lower elevation; water flows to the lowest point, or to sea level; water flows toward the ocean

Question 2: *What is another name for a watershed?*

Answer: River basin; water basin; drainage area

Question 3: *Describe an important benefit of wetlands.*

Answer: (Multiple correct responses) Improve water quality; filtration; habitat, biodiversity; wetlands act like a sponge; prevent flooding, etc.

Question 4: *How are wetlands threatened by sea level rise?*

Answer: Salt water could enter and change or harm freshwater wetlands.

Lesson 5: Water Resources and Aquifers

Question 1: *Name two sources of drinking water in nature.*

Answer: (Multiple correct responses) Lake; aquifer; groundwater; spring; other natural reservoir

Question 2: *Describe how the water cycle affects aquifers.*

Answer: Rainfall sinks into the ground and fills or recharges an aquifer.

Question 3: *What is the name of the aquifer that provides drinking water in Florida & southeast Georgia?*

Answer: Floridan

Question 4: *Describe how climate change could impact aquifers.*

Answer: Salt water intrusion; heavy rain and excess runoff could prevent infiltration (water sinking into the ground)

Lesson 6: Ocean Currents

Question 1: *Name 3 things that create ocean currents.*

Answer: (Multiple correct responses) Wind; tides; water temperature and density; Earth's rotation

Question 2: *Drag the purple dot to the force that moves water horizontally; Drag the green dot to the force that moves water vertically.*

Answer: Purple/Horizontal = Wind; Green/Vertical = Density

Question 3: *When ocean water freezes and forms an iceberg, what stays behind that makes the surrounding water denser?*

Answer: Salt

Question 4: *Draw a simple diagram of ocean circulation.*

Answer: (Multiple correct responses) Figure 8; Up and down arrows, Depiction of wind, etc.

Question 5: *Drag the star to the activity that helps save energy and protects the ocean!*

Answer: Bicycle