



# THE WATER CYCLE

By OWH

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# Water Cycle Review

## States of Water and Weather Instruments

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# Question 1

A wet sponge was put into an empty plastic bucket. A few hours later, the sponge and bucket were dry. What probably happened to the water in the sponge?



The water was soaked up by the plastic bucket.



The water in the sponge became a gas and went into the air.



All of the water was still in the sponge, but it could not be seen or felt.



No one knows what happened to the water when it disappeared.

# Question 2

Ice melts fastest when it is in



cold water.



cold air.



warm water.



warm air.

# Question 3

Water can exist in three forms - as liquid (water), solid (ice), and gas (water vapor). Which tells what happens to water as it changes form?



Liquid water gains heat to form a solid (ice).



Water vapor (gas) gains heat to form liquid water.



Solid water (ice) loses heat to form gas (water vapor).



Liquid water loses heat to form a solid (ice).

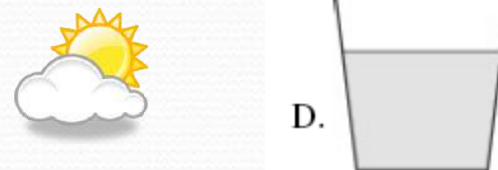
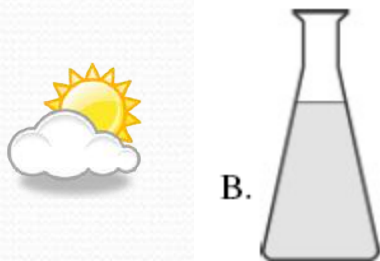
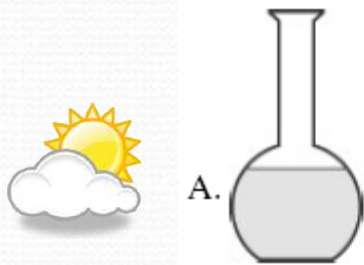
# Question 4

At which temperature does water become ice?



# Question 5

A liter of water is poured into each of the containers shown below and they are left uncovered in a warm room. After a day, which container will have the LEAST amount of water left in it?



# Question 6

Which weather instrument tells the direction the wind is blowing?



barometer



thermometer



rain gauge



weather vane



# Question 7

Sally could not go outside and play for three days because it was raining. Which weather instrument would tell her how much it rained?



barometer



rain gauge



thermometer



weather vane

# Question 8

Ms. Pettigrew's class is doing an experiment outside with ice cubes and colored paper. The ice cube will melt fastest on



red paper.



white paper.



green paper.



black paper.

# Question 9

A dish of sugar water was left on a window sill. One week later, there were only sugar crystals left in the dish. The water was gone. The best explanation for the appearance of sugar crystals is



the water evaporated.



some of the water was absorbed by the dish.



the air condensed.



the light shining on the window sill produced more sugar.

# Question 10

Which of the following is the normal order for a water's transformation through phases?



Melted —————> Frozen —————> Evaporated



Solid —————> Liquid —————> Gas



Solid —————> Gas —————> Liquid



Gas —————> Solid —————> Liquid

# Question 11

During which season do most of the leaves fall off trees?



# Question 12

On a weather map, what does the above symbol represent?

 Warm front

 Cold front

 High pressure system

 Stationary front

# Question 13

On a weather map, what does the above symbol represent?

 Stationary front

 Warm front

 Cold front

 Low pressure system

# Question 14

On the weather map above, what does the “L” represent?

 lightning a low pressure system 

 light rain heavy rain





# Question 15

Alan took a walk at sunset and noticed that the sky was cloudy. He looked at his outdoor thermometer and saw that it was 30°F and getting colder. Based on the evidence Alan saw, what form of precipitation would be most likely to fall during the night?



# Question 16

Which of the following is an example of climate change?

 The highest temperature for the day is 47°F.

 The Earth's average temperature has been rising for 50 years.

It rains in a desert that is normally hot and dry.




A thunderstorm causes heavy rain, hail, strong winds, and


 lightning.

# Question 17

A scientist keeps a record of the temperature, wind, and rain in a certain place for one week. We know the scientist is studying weather and not climate because

 r pressure was not recorded.

 e scientist is only taking measurements in one place.

 e measurements are taken over a short time.

 ly three factors have been measured.

# Question 18

A newsreader states that the next day will probably be sunny, with light wind and some rain in the afternoon. The newsreader is describing

 the weather. the climate.



 the season. the temperature



# Question 19

Which season usually has the coldest temperatures?

 Spring

 Summer

 Fall

 Winter

# Question 20

Cloud formation starts with the \_\_\_\_\_ of water and is followed by the \_\_\_\_\_ of water.

 Condensation; evaporation

 Migration; solidification

 Solidification; migration

 Evaporation; condensation

# Question 21

Which list shows the events from the water cycle in the correct order?



Water evaporates from the ocean, runs off into the ocean, condenses in clouds, then falls as precipitation.



Water condenses in clouds, evaporates from the ocean, falls as precipitation, then runs off into the ocean.



Water evaporates from the ocean, condenses in clouds, falls as precipitation, then runs off into the ocean.



Water runs off into the ocean, falls as precipitation, condenses in clouds, then evaporates from the ocean.

# Question 22

The water in a dewdrop comes from



melted frost.



melted snow.



a light rain.



water vapor in the air.



# Question 23

In which example is water vapor condensing?



water leaking from a faucet



water collecting on a leaf on a cool night



water in a freezer changing to ice



water in a puddle changing to gas during a hot day

# Question 24

Which process is occurring at *D*?



condensation



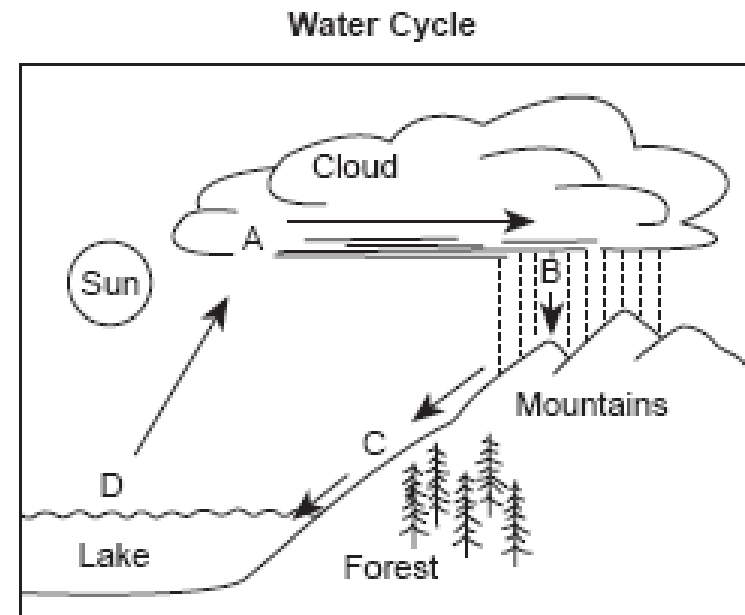
evaporation



precipitation



runoff



# Question 25

At point C, what process in the water cycle is taking place?



Condensation



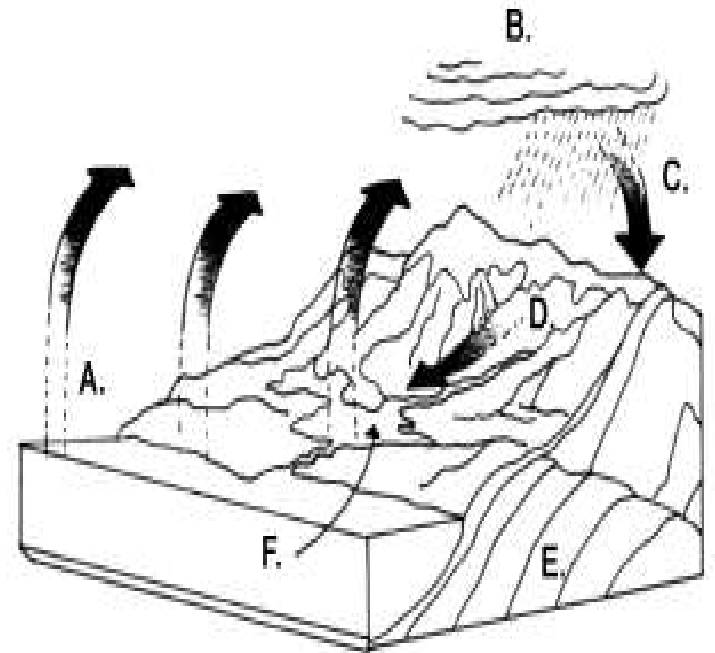
Precipitation



Run-off



Evaporation



# Question 26

At point D, what process in the water cycle is taking place?



Condensation



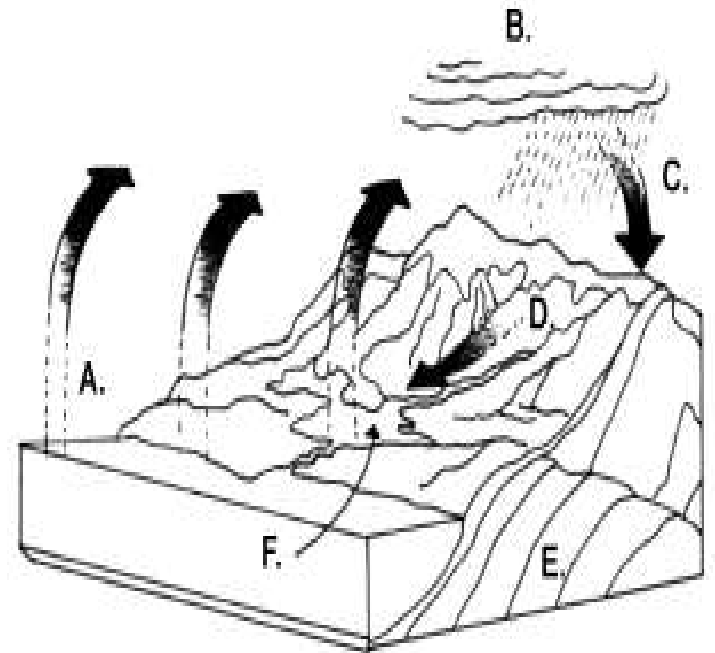
Precipitation



Run-off



Evaporation



# Question 27

Transpiration is the process in which water moves from the leaves of plants and becomes water vapor. Which step in the water cycle is this process part of?

 Runoff Evaporation



 Condensation Precipitation



# Question 28

What happens in each step of the water cycle?

 Water changes from one state to another.


 Water becomes a gas in between each step.

 Water transforms into other types of liquid.


 Water develops the same physical properties.

# Question 29

Beth left a glass of water on the sidewalk on a summer morning. When she came back in the afternoon, there was less water in the glass, and the sidewalk around the glass was dry. What most likely happened to the water?

froze and a dog ate it.

evaporated in the sunlight.

leaked out of the glass onto the sidewalk.

There is not enough information to tell.

# Question 30

Which of the following is an example of precipitation?



ail



in

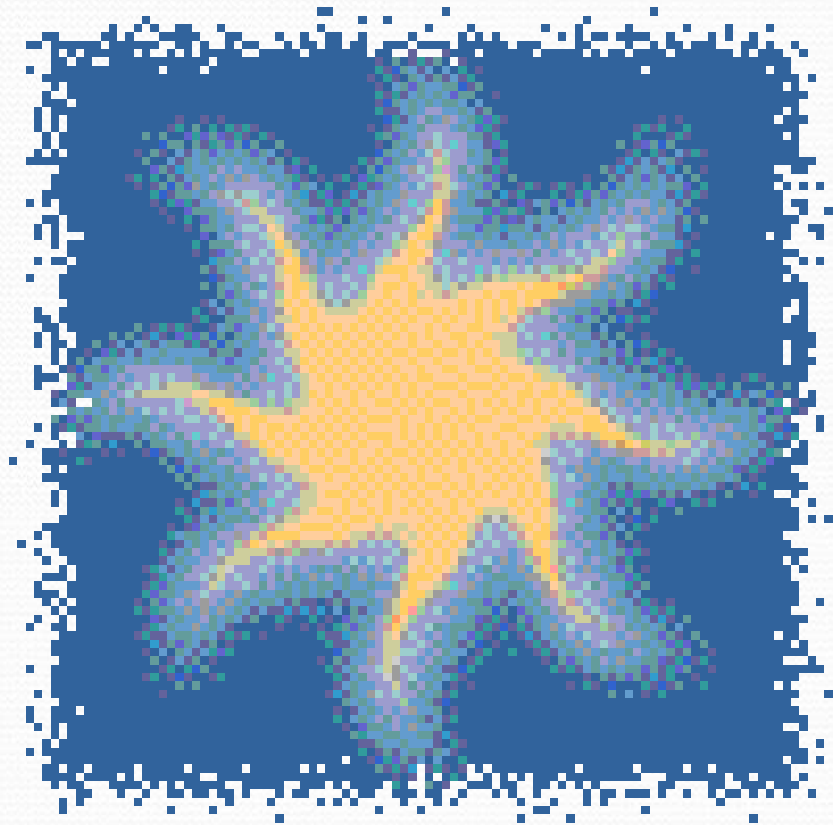


eet



l of these





Great job!



# Try Again!





# THE END

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