

### QUESTION 01

What is the primary factor contributing to the rise in sea levels due to climate change?

- A Deforestation
- B Melting glaciers and ice caps <sup>x</sup>
- C Volcanic activity
- D Urbanization

### QUESTION 02

How does climate change affect the water cycle?

- A Accelerates it <sup>x</sup>
- B Slows it down
- C No effect
- D Reverses it

### QUESTION 03

Which of the following is a major cause of water pollution?

- A Wind power
- B Fossile energy
- C Plastic waste <sup>x</sup>
- D Nuclear energy

### QUESTION 04

What is the significance of wetlands in preserving water quality and biodiversity?

- A They act as water reservoirs
- B They contribute to acid rain
- C They promote water evaporation
- D They filter pollutants <sup>x</sup>

### QUESTION 05

In what ways can we contribute to water conservation in their daily lives?

- A Drink less water
- B Using water-efficient appliances <sup>x</sup>
- C Use the shower only once a week
- D Disposing of chemicals in water bodies

### QUESTION 06

What is the primary greenhouse gas responsible for climate change?

- A Methane
- B Carbon Dioxide <sup>x</sup>
- C Nitrous Oxide
- D Ozone

### QUESTION 07

Which ocean current plays a crucial role in regulating global climate and weather patterns?

- A Gulf Stream <sup>x</sup>
- B Kuroshio Current
- C Indian Ocean
- D Atlantic Firebelt

### QUESTION 08

What percentage of Earth's water is freshwater available for human use?

- A 11%
- B 5%
- C 1% <sup>x</sup>
- D 0,1%

### QUESTION 09

What is the term for the process by which water vapor turns into liquid water?

- A Condensation <sup>x</sup>
- B Evaporation
- C Sublimation
- D Integration

## QUESTION 10

What is the phenomenon where a water droplet absorbs more light in the center than at the edges, giving it a darker appearance?

- A Adhesion
- B Absorption
- C Meniscus
- D Mie Scattering <sup>x</sup>

## QUESTION 11

In which layer of Earth's atmosphere does water vapor condense to form clouds?

- A Troposphere <sup>x</sup>
- B Stratosphere
- C Mesosphere
- D Thermosphere

## QUESTION 12

What is the term for the process of water moving through a plant and evaporating from its leaves?

- A Capillary action
- B Transpiration <sup>x</sup>
- C Osmosis
- D Aquaporin diffusion

## QUESTION 13

What is the term for the process by which water infiltrates the ground and becomes groundwater?

- A Percolation <sup>x</sup>
- B Infiltration
- C Seepage
- D Precipitation

## QUESTION 14

Which oceanic phenomenon, characterized by warmer-than-average sea surface temperatures, can impact global weather patterns, including rainfall?

- A La Niña
- B Thermohaline circulation
- C El Niño <sup>x</sup>
- D Ocean acidification

## QUESTION 15

What is the process of desalination that involves heating seawater to produce freshwater vapor and then condensing it?

- A Reverse osmosis
- B Distillation <sup>x</sup>
- C Electrodialysis
- D Filtration

## QUESTION 16

Which waterborne disease is caused by a parasitic protozoan and often transmitted through contaminated water?

- A Cholera
- B Giardiasis <sup>x</sup>
- C Typhoid fever
- D Dysentery

## QUESTION 17

Which property of water allows it to resist changes in temperature and helps moderate Earth's climate?

- A Low viscosity
- B High surface tension
- C High specific heat <sup>x</sup>
- D Low density

## QUESTION 18

What is the term for the area of land where all the water that is under it or drains off of it goes into the same place?

- A Watershed <sup>x</sup>
- B Aquifer
- C Delta
- D Estuary

### QUESTION 19

Which river, known as the "Roof of the World", is a major source of freshwater for over a billion people but is facing challenges due to climate change and over-extraction?

A Amazonas

B Nile

C Ganges <sup>x</sup>

D Danube

### QUESTION 20

What is the process of water moving from an area of high concentration to an area of low concentration through a selectively permeable membrane?

A Filtration

B Osmosis <sup>x</sup>

C Diffusion

D Saturation

### QUESTION 21

In hydrology, what does the term "infiltration capacity" refer to?

A The maximum rate at which water can be absorbed by soil <sup>x</sup>

B The amount of water stored in an aquifer

C The velocity of water flow in a river

D The density of water vapor in the atmosphere

### QUESTION 22

What is the name of the process where water changes from a liquid to a vapor directly without becoming a liquid first?

A Evaporation

B Precipitation

C Condensation

D Sublimation <sup>x</sup>

### QUESTION 23

Which atmospheric phenomenon, occurring in cold regions, consists of ice crystals suspended in the air that create a luminous ring around the sun or moon?

A Halo <sup>x</sup>

B Aurora

C Mirage

D Rainbow

### QUESTION 24

What is the term for the process where water molecules at the surface of a liquid absorb enough energy to change into the gaseous state?

A Vaporization <sup>x</sup>

B Saturation

C Sublimation

D Advection

### QUESTION 25

Which wetland ecosystem is characterized by saturated soils and is often referred to as the "Earth's kidneys" due to its water purification capabilities?

A Marsh <sup>x</sup>

B Swamp

C Bog

D Fen

### QUESTION 26

In hydrogeology, what is the term for the level at which the ground is saturated with water and where the pressure is equal to atmospheric pressure?

A Capillary fringe

B Pickles

C Perched water pool

D Water table <sup>x</sup>

### QUESTION 27

Which global water crisis term refers to the situation where water demand exceeds the available supply during a certain period?

A Water scarcity

B Water stress <sup>x</sup>

C Water footprint

D Water security

### QUESTION 28

What is the name of the large oceanic circulation pattern that plays a crucial role in redistributing heat around the globe?

- A Ocean currents
- B Thermohaline circulation <sup>x</sup>
- C Tidal currents
- D Gyres

### QUESTION 29

Which anthropogenic activity contributes to the phenomenon of "eutrophication," leading to excessive nutrient levels in water bodies?

- A Deforestation
- B Industrial pollution
- C Agricultural runoff <sup>x</sup>
- D Urbanization

### QUESTION 30

What is the name of the process by which water molecules adhere to each other due to hydrogen bonding, creating a surface "skin" on the water?

- A Cohesion
- B Adhesion
- C Viscosity
- D Surface tension <sup>x</sup>

### QUESTION 31

Which atmospheric phenomenon, caused by the reflection, refraction, and dispersion of sunlight, results in a spectrum of light appearing in the sky?

- A Halo
- B Mirage
- C Rainbow <sup>x</sup>
- D Aurora

### QUESTION 32

What is the term for the process where water is naturally filtered as it passes through layers of soil and rock before entering an aquifer?

- A Filtration <sup>x</sup>
- B Leaching
- C Infiltration
- D Percolation

### QUESTION 33

Which water-related phenomenon, characterized by the sudden onset of heavy rainfall, can result in flash floods and soil erosion?

- A Monsoon
- B Tsunami
- C Cloudburst <sup>x</sup>
- D Blizzard

### QUESTION 34

In oceanography, what is the term for the vertical movement of water, typically caused by temperature and salinity differences?

- A Upwelling <sup>x</sup>
- B Downwelling
- C Tidal bore
- D Rip current

### QUESTION 35

What is the process by which water vapor in the atmosphere turns directly into ice without passing through the liquid phase?

- A Evaporation
- B Deposition <sup>x</sup>
- C Condensation
- D Freezing

### QUESTION 36

Which term describes the gradual increase in the Earth's average sealevel, primarily attributed to human activities?

- A Global warming <sup>x</sup>
- B Ice age
- C Sun activity
- D It's all but propaganda