

FBQ1: \_\_\_\_\_ can be defined as the process where liquid water is transformed into a gaseous state

Answer: Evaporation

FBQ2: Many of us have observed that our gardens need more watering on \_\_\_\_ days compared to calm days when temperature are similar

Answer: Windy

FBQ3: \_\_\_\_\_ is the flow of water in streams, rivers, and other channels, and is a major element of the cycle

Answer: Stream flow

FBQ4: 86% of the Earth's evaporation occurs over the?

Answer: Oceans

FBQ5: The rate and quantity of water vapour entering into the atmosphere both become higher in \_\_\_\_\_ air

Answer: Drier

FBQ6: \_\_\_\_\_ plants are able to transpire throughout the year

Answer: Evergreen

FBQ7: Potential evapotranspiration can be calculated using \_\_\_\_\_ formulae.

Answer: Empirical

FBQ8: The difference between the water percolated and the water added is the \_\_\_\_\_ water balance

Answer: Potential

FBQ9: \_\_\_\_\_ basically consist of a wet, porous ceramic cup mounted on top of a cylindrical water reservoir

Answer: Atomometers

FBQ10: \_\_\_\_\_ Underbrush and grasses increase surface roughness which slows overland flows that are insufficient to flatten the vegetation.

Answer: Dense

FBQ11: In order to carry storm water runoff to storage ponds, collect excess sediment and keep it out of streams \_\_\_\_\_ are built

Answer: Drainage ditches

FBQ12: Runoffs from \_\_\_\_\_ can carry excess nutrients into streams, lakes, and ground-water supplies degrading water quality.

Answer: Agricultural land

FBQ13: \_\_\_\_\_ is the process of water loss from plants through stomata

Answer: Transpiration

FBQ14: For an \_\_\_\_\_ unit hydrograph, the input rainfall is assumed to all take place at

a discrete point in time

Answer: Instantaneous

FBQ15: Oceans make up \_\_\_\_\_ % of the Earth's surface and the solar radiation received here powers the global evaporation process

Answer: 71

FBQ16: A \_\_\_\_\_ is used to more easily represent the effect rainfall has on a particular basin

Answer: Unit hydrograph

FBQ17: Surface runoff sends \_\_\_\_\_ % of the land based precipitation back to the ocean to balance the processes of evaporation and precipitation

Answer: 7

FBQ18: As \_\_\_\_\_ basins are urbanized, much of the vegetation is replaced by impervious surfaces, thus reducing the area where infiltration to ground water can occur

Answer: Drainage

FBQ19: Between rain events water is lost through \_\_\_\_\_ from soil, leaves and branches.

Answer: Evapotranspiration

FBQ20: After some time the hydrograph settles at a constant level known as \_\_\_\_\_ flow stage

Answer: Base

FBQ21: When the soil is saturated, the \_\_\_\_\_ the slopes, the lower the rate of infiltration and faster the rate of runoff.

Answer: Steeper

FBQ22: \_\_\_\_\_ will occur quickly where impermeable rocks are exposed at the surface

Answer: Runoff

FBQ23: As water is held back dams and reservoirs slow down the rate of \_\_\_\_\_ at peak times.

Answer: Discharge

FBQ24: The ratio of the length of river course per area of land is known as ?

Answer: Drainage density

FBQ25: \_\_\_\_\_ is the name of the instrument that we use to determine the water level

Answer: Staff gauge

FBQ26: Rating curves frequently shift due to changes in the \_\_\_\_\_ that determine the relation between stream stage and stream flow.

Answer: Factors

FBQ27: In order to accurately determine stream discharge, measurements must be made of its width, depth, and

Answer: Speed

FBQ28: The river banks are irregular therefore the relation between stream height and stream discharge (flow) is not ?

Answer: Linear

FBQ29: The rating \_\_\_\_\_ shows the relationship between stream stage and stream flow

Answer: Curve

FBQ30: \_\_\_\_\_ discharge is the volume of water flowing past a fixed point in a fixed unit of time.

Answer: Stream

FBQ31: \_\_\_\_\_ runoff from many activities can inhibit the penetration of sunlight through the water Column.

Answer: Silt-bearing

FBQ32: \_\_\_\_\_ is the height of the water surface, above an established datum plane where the stage is zero.

Answer: Stream stage

FBQ33: Organic wastes such as \_\_\_\_\_ impose high oxygen demands on the receiving water leading to oxygen depletion.

Answer: Sewage

FBQ34: Pollutants in water include a wide spectrum of chemicals, \_\_\_\_\_, and physical chemistry or sensory changes

Answer: Pathogens

FBQ35: In the UK there are \_\_\_\_\_ to protect the passage of water across land unfettered in either quality or quantity.

Answer: Common law rights

MCQ1: When a surface evaporates, it loses \_\_\_\_\_ and cools itself

Answer: Energy

MCQ2: Water is known to possess two main categories of properties namely chemical and \_\_\_\_\_ properties

Answer: Physical

MCQ3: Satellites can map the \_\_\_\_\_ heat radiated from Earth

Answer: Infrared

MCQ4: Water is called the "\_\_\_\_\_ solvent" because it dissolves more substances than any other liquid

Answer: Universal

MCQ5: The percolation gauge is actually regarded as a \_\_\_\_\_ tool

Answer: Research

MCQ6: Water freezes at 0o \_\_\_\_\_ and boils at 100o C at sea level.

Answer: Celsius (c)

MCQ7: The device that can give direct measurement of evaporation is known as ?

Answer: Atmometers

MCQ8: Water is unique in that it is the only natural substance that is found in all \_\_\_\_\_ states

Answer: Three

MCQ9: Rain drops in \_\_\_\_\_

Answer: Diameter

MCQ10:  $\phi = R + A - P$

Answer: PE

MCQ11: \_\_\_\_\_ is the process that directs precipitation down plant branches and stems.

Answer: Stemflow

MCQ12: \_\_\_\_\_ are tiny droplets of water in the atmosphere

Answer: Clouds

MCQ13: Vegetation can intercept up to \_\_\_\_\_ of the rain that falls on its leaves.

Answer: 50%

MCQ14: \_\_\_\_\_ refers to the movement of water into the soil layer.

Answer: Infiltration

MCQ15: Movement of water into the soil is controlled by gravity, capillary action and soil \_\_\_\_\_

Answer: Porosity

MCQ16: \_\_\_\_\_ water is essentially non-mobile and can only be removed from the soil through heating.

Answer: Hygroscopic

MCQ17: In order to have rain there must be a \_\_\_\_\_

Answer: Cloud

MCQ18: \_\_\_\_\_ matter is generally more porous than mineral soil particles and can hold much greater quantities of water

Answer: Organic

MCQ19: \_\_\_\_\_ force holds soil water from 0.0002 to 0.06 millimetres from the surface of soil particle

Answer: Matric

MCQ20: All these water molecules attracting each other mean they tend to \_\_\_\_\_ together.

Answer: Clump

MCQ21: Rates of water movement via through flow are usually \_\_\_\_\_

Answer: Low

MCQ22: Plants can use most of this water by way of capillary action until the soil \_\_\_\_\_ point is reached

Answer: Wilting

MCQ23: One of these oceans is described as the oldest among others \_\_\_\_\_

Answer: Indian

MCQ24: All rivers are surrounded by a certain amount of land that is higher in \_\_\_\_\_ than the actual river

Answer: Altitude

MCQ25: Rivers and streams begin their lives as smaller creeks, often called "the \_\_\_\_\_".

Answer: Headwaters

MCQ26: A lake really is just another component of Earth's \_\_\_\_\_ water

Answer: Surface

MCQ27: Groundwater occurs in \_\_\_\_\_ main forms

Answer: Two

MCQ28: The main uses of \_\_\_\_\_ water include irrigation uses, drinking-water and other public uses and for supplying domestic water to people who do not receive public water supply

Answer: Ground

MCQ29: The \_\_\_\_\_ describe the catchment for the drainage basins

Answer: Lines

MCQ30: A drainage basin is the area of land where all of the water that falls in it is \_\_\_\_\_

Answer: Drains

MCQ31: Rivers radiate \_\_\_\_\_ from a central point

Answer: Outwards

MCQ32: \_\_\_\_\_ is the sporadic horizontal flow of water within the soil layer

Answer: Through flow

MCQ33: \_\_\_\_\_ at the ground with a pick and shovel is one way to dig a well.

Answer: Hacking

MCQ34: \_\_\_\_\_ refers in general to the practice of using a forked stick, rod, pendulum, or similar device to locate underground water minerals or other hidden or lost substances

Answer: Water dowsing

MCQ35: Many great rivers from the Asia and north America empty into \_\_\_\_\_ oceans

Answer: Arctic

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