

Q=QUESTION	question_description
A=ANSWER	answer_description
Q	Deforestation generally decreases
A	Rainfall
A	Drought
A	Soil erosion
A	Global warming
Q	Afforestation is necessary for
A	Soil conservation
A	Soil erosion
A	Well control
A	Low humidity
Q	Depletion of the ozone layer is damaging
A	Skin cancers
A	Osteoporosis
A	Dyspepsia
A	Chronic lower respiratory disease
Q	The term "Environment" means
A	Sum total of all conditions that the life and development of all organisms on earth

question_explanation	question_type	question_difficulty
answer_explanation	answer_isright	answer_position
	M	1
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	M	1
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	M	1
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	M	1
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A Water and air

A Earth and water

A A combination of land, air & water in which humans, plants and animals live.

Q Which of the following is NOT a type of environmental degradation?

A Air degradation

A Water degradation

A Plant degradation

A Land degradation

Q Carbon dioxide is primarily called a greenhouse gas because

A Traps heat

A Traps light

A Traps warm currents

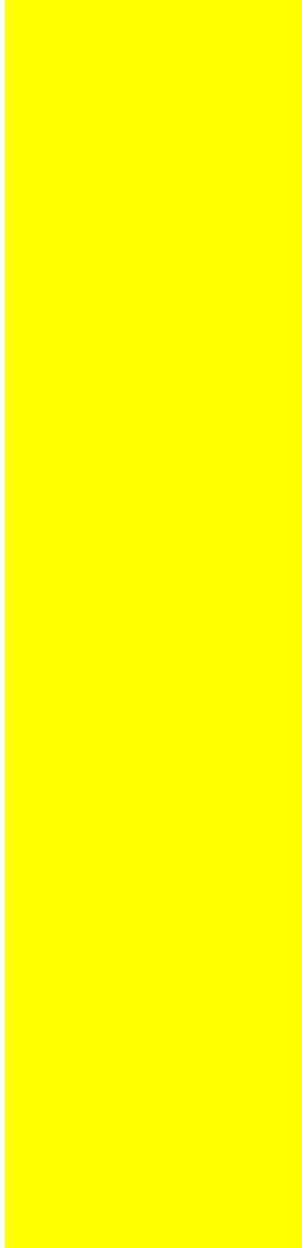
A Traps radioactive contaminants

Q Air pollution trends are strongly affected by

A Concentration of pollutants

A Source of pollutants

A Characteristics of pollutants



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A	Humidity		1	4
Q	Which is the warmest layer of the atmosphere?	M		1
A	Troposphere		0	1
A	Stratosphere		0	2
A	Thermosphere		1	3
A	Mesosphere		0	4
Q	As the exhaust gases and pollutants leave a stack, they mix with ambient air describing a _____	M		1
A	Air flow		0	1
A	Fume		0	2
A	Flame		0	3
A	Plume		1	4
Q	When an atmosphere has isothermal profile, it is _____.	M		1
A	Very stable		1	1
A	Slightly stable		0	2
A	Unstable		0	3
A	Very unstable		0	4
Q	In a sludge tank, the gas mainly produced, is	M		1

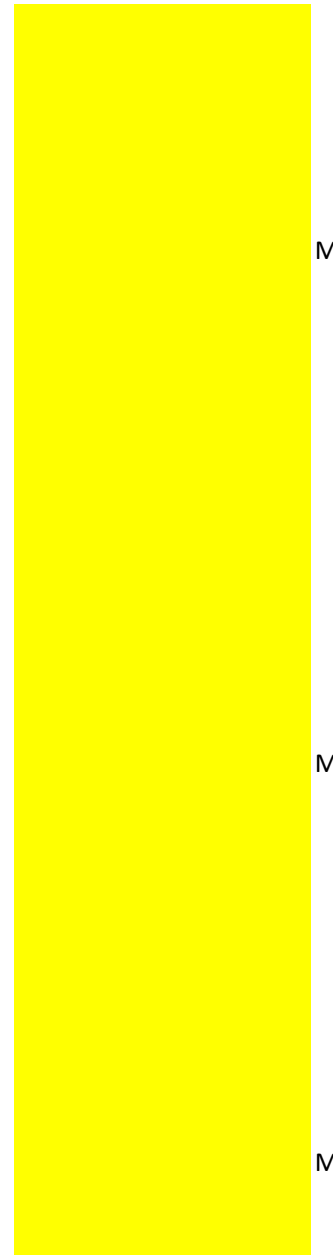
A Oxygen
A Nitrogen
A Hydrogen
A Carbon dioxide
Q If a 2% solution of sewage sample is incubated for 5 days at 20°C and the dissolved oxygen depletion was found to be 8 mg/l. The BOD of the sewage is

- A 100 mg/l
- A 200 mg/l
- A 300 mg/l
- A 400 mg/l

Q Which of the following sewerage systems carry domestic and industrial wastewater?

- A sanitary sewers
- A storm sewers
- A combined sewers
- A storm and combined sewers

Q Nitrification efficiency is significantly suppressed as the temperature is



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A	Increased		0	1
A	Decreased		1	2
A	Neutral		0	3
A	Maintained		0	4
Q	While designing a trickling filter what would be the depth assumed?	M		1
A	12-15m		0	1
A	4-12 m		1	2
A	16-20 m		0	3
A	20-25 m		0	4
Q	For rock packing low- rate trickling filters what is the hydraulic loading assumed?	M		1
A	1-4 m ³ /m ² .d		1	1
A	4-8 m ³ /m ² .d		0	2
A	8- 12 m ³ /m ² .d		0	3
A	12-15 m ³ /m ² .d		0	4
Q	At minimum fluidisation flow rate, the gas flow velocity is also known as	M		1
A	Superficial velocity of the pellets		0	1
A	Terminal velocity of the pellets		1	2
A	Average velocity of the pellets		0	3

A
Q Transport velocity of the pellets
For rock type of packing in intermediate
filtration trickling filters what is the
hydraulic rate considered?

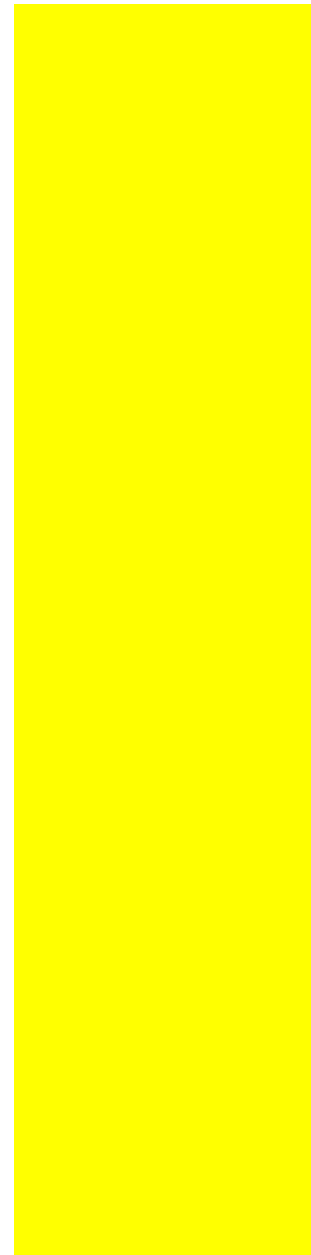
- A 4-10 m³/m².d
- A 10-15 m³/m².d
- A 20-25 m³/m².d
- A 25-30 m³/m².d

Q It contains many species like bacteria and
round worms in trickling filter

- A Treated water
- A Wastewater
- A Air influent
- A Biofilm

Q Which of the following statements is true
about the composition of Calcium
Carbonate (CaCO₃) in soft water?

- A 0 to 30 milligrams of CaCO₃ per litre
- A 30 to 60 milligrams of CaCO₃ per litre
- A 60 to 90 milligrams of CaCO₃ per litre



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A 90 to 120 milligrams of CaCO₃ per litre

Q What is the health effects of excess fluoride in drinking water?

A Fluorosis

A Toothaches

A Lung disease

A Intestinal infection

Q Find odd one:

A Bioslurping

A Bioventing

A Biosparging

A Bioreactors

Q Which of these are factors affecting bioremediation?

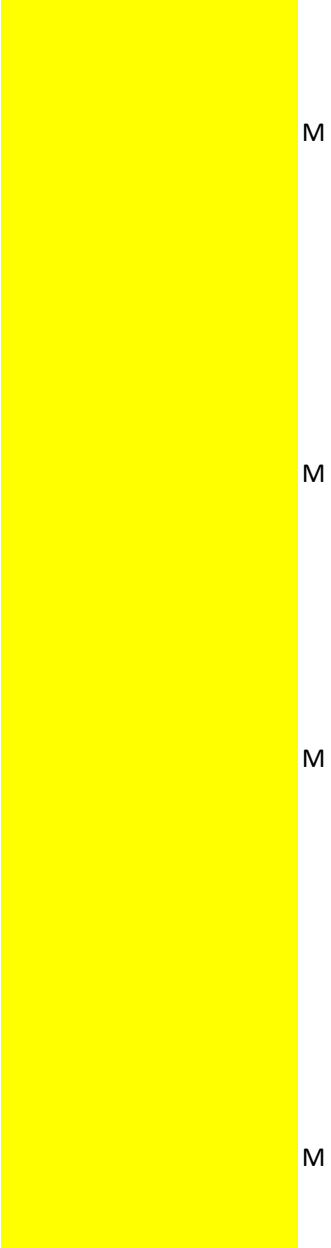
A Unavailability of contaminants for microbial population

A Sedimentation rate

A Presence of oxygen & Nutrients

A Washouts

Q _____ is the effect of Rhizosphere bio-degradation.

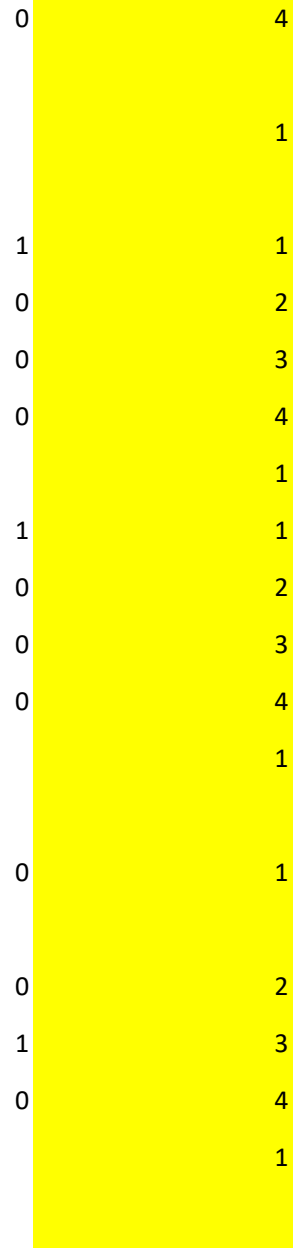


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A	Immobilization		0	1
A	Stabilization		0	2
A	Biological degradation		1	3
A	Conversion		0	4
Q	This bacterium can withstand the dosage of radiation, which are several times higher than what human cells can tolerate	M		1
A	Escherichia coli		0	1
A	Conus magus		0	2
A	Deinococcus radiodurans		1	3
A	Staphylococcus aureus		0	4
Q	_____ is designed primarily to treat contaminants in vadose zone or capillary fringe	M		1
A	Anaerobic digestion		0	1
A	Bioventing		1	2
A	Biosplurging		0	3
A	Aerobic digestion		0	4
Q	Which of the following is a strict anaerobe?	M		1
A	Enterobacter		0	1

A	Alcaligenes		0	2
A	Pseudomonas		0	3
A	Methanosarcina		1	4
Q	Which of the following is the effect of environmental degradation?	M	0	1
A	Balanced ecosystem		0	1
A	Stable atmosphere		0	2
A	Loss of biodiversity		1	3
A	Urbanization		0	4
Q	Identify cause of land degradation.	M	0	1
A	Over grazing & over grafting		1	1
A	Forestation		0	2
A	Soil conservation		0	3
A	Excessive rains		0	4
Q	Scrubbers efficiency depends on	M	0	1
A	Relative velocity between air inlet and air outlet		0	1
A	Relative velocity between droplets and particulates		1	2
A	Speed of pumps		0	3
A	Relative velocity of flow of air		0	4

Q Anaerobic bacteria often play important roles in bioremediation. Which of the following is not an electron acceptor used by anaerobes during biodegradation reactions?

A CO₂

A NO₃⁻

A Fe(III)

A H₂O

Q Negative soil pollution is

A reduction in soil productivity due to erosion and overuse

A reduction in soil productivity due to addition of pesticides and industrial wastes

A converting fertile land into harden land by dumping ash, sludge and garbage

A reduction in soil productivity due to use over use of chemical fertilizers

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Q _____ is waste that has substantial or potential threats to public health or the environment.

A Hazardous waste

A Solid waste

A Municipal Solid waste

A Household waste

Q Hazardous waste is classified on basis of

A nature of presence

A location

A Biological, chemical & physical properties

A Effects caused by them

Q Corrosive waste include

A Ignitable waste

A Chemically unstable waste

A Strong acid or alkali

A waste that emit ionizing energy

Q Ex-situ remediation involves

A degradation of pollutants directly

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A degradation of pollutants by genetically engineered organisms

A removal of pollutants and collection at a place to facilitate microbial degradation

A treatment of pollutants at the source

Q High BOD indicates

A absence of microorganisms

A Low level of microorganisms

A intense level of microbial population

A moderate level of microorganisms

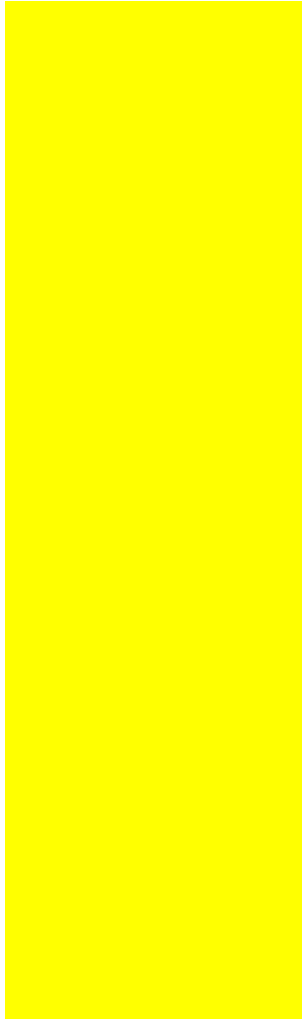
Q In which of the following treatment involve oxidation of organic constituents of the wastewater?

A Primary treatment

A Secondary treatment

A Advanced treatment

A Final treatment



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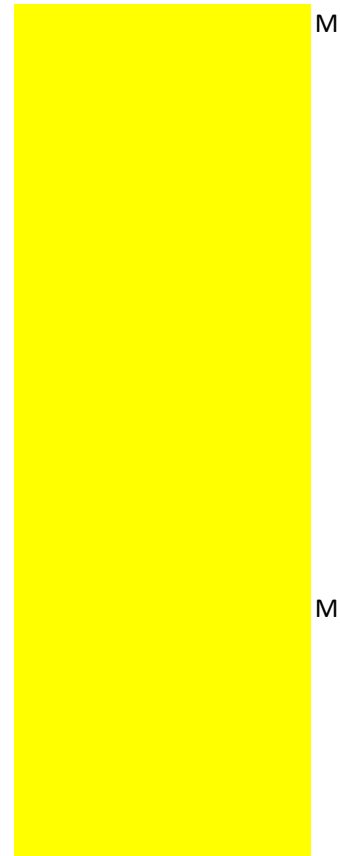
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Q The phenomenon of scavenging particulate matter from air to serve as cloud condensation nuclei or undergoing capture by cloud water is called as _____.

- A Storm
- A Washouts
- A Raindrops
- A Rainouts

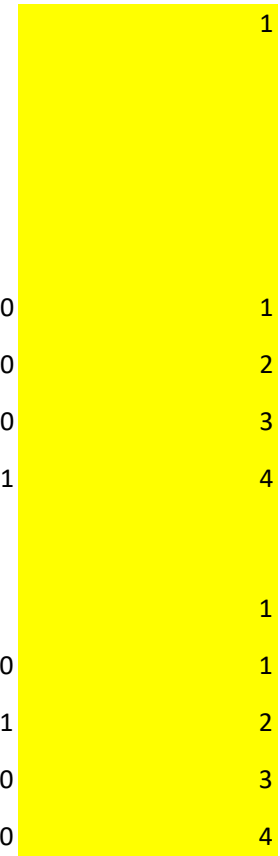
Q Find the incorrect one with reference to non-soluble pollutants

- A Absorbed in soil
- A lead to water pollution
- A Mineralization
- A Persistant



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