

## Chemical Engineering Environmental Engineering Question Bank

- Earth is protected from harmful effects of ultraviolet radiations by
  - Carbon dioxide layer
  - Ozone layer
  - Troposphere
  - Oxygen layerAns: B
- Which of the following substances stores more heat energy than all other atmospheric constituents combined?
  - nitrogen
  - ozone
  - water vapor
  - carbon dioxideAns: C
- \_\_\_ is a measure of the resistance to gas movement through a particulate control device
  - collection efficiency
  - particle to particle density
  - pressure drop
  - none of theseAns: C
- Which of the following is not a major green house gas?
  - carbon dioxide
  - methane
  - calcium carbonate
  - water vaporAns: c
- Which of the following is a dark solid pollution product from the incomplete combustion of a fossil fuel?
  - carbon
  - carbon dioxide
  - water
  - nitrogenAns: A
- Most of the atmospheric air pollutants are present in large quantity in
  - stratosphere
  - thermosphere
  - trophosphere
  - mesosphereAns: C
- Hydrogen ion concentration in distilled water is
  - $10^{-7}$
  - $7 \times 10^{-7}$

- c.  $10^{10}$
- d.  $7 \times 10^7$

Ans: C

8. \_\_\_ is removed from water by lime soda process.

- a. Foul smell and taste
- b. Iron and manganese
- c. Temporary hardness
- d. Permanent hardness

Ans: C

9. Soluble silica present in boiler feed water can be removed by

- a. coagulation
- b. filtration
- c. anion exchanger
- d. preheating it

Ans: C

10. Presence of bacteria in potable (drinking) water causes

- a. turbidity
- b. disease
- c. bad odour
- d. bad taste and colour

Ans: B

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