

## MDCAT Chemistry Chapter 21 Environmental Chemistry Online Test

Sr	Questions	Answers Choice
1	Which one of the pollutants of automobile exhausts affects the nervous system or produces mental diseases	A. NO <sub>2</sub> B. SO <sub>2</sub> C. Hg D. Pb
2	Which one of the following does not act as pollutant	A. Carbon monoxide B. Sulphur dioxide C. Hydrocarbons D. Carbon dioxide
3	Biochemical oxygen demand (BOD) is the capacity of organic matter in natural water to consume oxygen with in a period of	A. 2 day B. 6 day C. 5 day D. 7 day
4	The main pollution of leather tanneries in the waste is due to the salt of	A. Chromium B. Copper C. Chromium D. Lead
5	Potable water is considered to be	A. Safe for human consumption B. The ground water C. The surface water D. Now safe for human consumption
6	Major cause of SO <sub>2</sub> on global scale is	A. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Volcanoes</span> B. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Electric sparks</span> C. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Combustion</span> D. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">All</span>
7	Residence time of methane in the atmosphere is	A. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">3 - 7 days</span> B. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">2 - 3 days</span> C. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">3 - 7 years</span> D. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">2 - 3 years</span>
8	Which of the following is not a secondary pollutant	A. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Ozone</span> B. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Carbonic acid</span> C. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Sulphuric acid</span> D. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Carbon dioxide</span>
9	Three elements needed for the healthy growth of plants are	A. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">N P K</span> B. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">N K C</span> C. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">N S P</span> D. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">N O P</span>

10 Requirement of macronutrient per acre of the land is

- A. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">5 to 200 kg</span>
- B. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">20-200 kg</span>
- C. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">200-400 kg</span>
- D. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">30-400 kg</span>

11 Which of the following is a macronutrient?

- A. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Boron</span>
- B. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Iron</span>
- C. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Copper</span>
- D. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Carbon</span>

12 Which of the following is not a heavy industry?

- A. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Iron</span>
- B. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Fertilize</span>
- C. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">Paper</span>
- D. <span style="color: rgb(0, 0, 0); font-family: Verdana, Tahoma; font-size: 12px;">None</span>

13 Water exist in only

- A. <span style="font-size: 0.95em;">One state</span>
- B. <span style="font-size: 0.95em;">Two state</span>
- C. Three states
- D. <span style="font-size: 0.95em;">4 states</span>

14 Hard water can block radiators due to formation of

- A. <span style="font-size: 0.95em;">Insoluble calcium and magnesium salts</span>
- B. <span style="font-size: 0.95em;">Insoluble sodium salts</span>
- C. <span style="font-size: 0.95em;">Insoluble phosphate salts</span>
- D. <span style="font-size: 0.95em;">Insoluble potassium salts</span>

15 Addition of washing soda removes

- A. <span style="font-size: 0.95em;">Softness of water</span>
- B. <span style="color: rgb(0, 0, 0); font-size: 0.95em;">Temporary hardness of water</span><br>
- C. <span style="font-size: 0.95em;">Permanent hardness of water</span>
- D. <span style="font-size: 0.95em;">Hydrogen from water</span>

16 Temporary hardness can be removed by adding

- A. <span style="font-size: 0.95em;">Lime</span>
- B. <span style="font-size: 0.95em;">Carbon</span>
- C. <span style="font-size: 0.95em;">Oxygen</span>
- D. <span style="font-size: 0.95em;">Slaked lime</span>

17 Hardness which can be removed by boiling is called

- A. <span style="font-size: 0.95em;">Permanent hardness</span>
- B. <span style="font-size: 0.95em;">Temporary hardness</span>
- C. <span style="font-size: 0.95em;">Stiffness</span>

18 Natural water is

D. Toughness

19 Ratio of hydrogen (H) and oxygen (O) in water molecule by volume is

A. 2:1  
B. 1:2  
C. 3:1  
D. 4:1

20 Property due to which water acts as a universal solvent is

A. Polarity  
B. It's ability to make hydrogen bond  
C. Both A and B  
D. Strong dipole dipole interaction