

## **MARINE BIOLOGY Question & Answers**

1. Which is the most input of waste causing marine pollution?

- a) Pesticides
- b) Pipes directly discharge waste into the sea
- c) Death of aquatic organisms
- d) Climatic conditions

Answer: b

Explanation: The most obvious input of waste for marine pollution is through pipes directly discharging waste into the sea. Very often, municipal waste and sewage waste from residences and industries in coastal towns are directly discharged into the sea.

2. Why ship accidents cause marine pollution?

- a) Because if the ship carrying passengers to collapse it results in the death of many people
- b) Because ship is very huge in its size
- c) Dredged material which carries heavy metals cause marine pollution
- d) Ship materials stuck inside the marine organisms

Answer: c

Explanation: Ship accidents and accidental spillages at sea damaging the marine environment. Shipping channels in estuaries and at the entrances to ports often require dredging to keep them open. This dredged material contains heavy metals which contaminates the water.

3. Which of the following is the greatest volume of waste discharge to water?

- a) Spillage from oil pipelines

- b) Sewage
- c) Nuclear waste
- d) Spillage from tankers

Answer: b

Explanation: The greatest volume of waste discharged to water is sewage, which is primarily organic in nature and is degraded by bacterial activity. Using the oxygen present in the water, these wastes are broken down into stable inorganic compounds.

4. When does the rate of aerobic oxidation reduced in the sewage that is reduced to the water?

- a) When oxygen concentration falls below 1.5 mg/l
- b) When oxygen concentration falls below 2.5 mg/l
- c) When oxygen concentration falls below 3.5 mg/l
- d) When oxygen concentration falls below 4.5 mg/l

Answer: a

Explanation: When the oxygen concentration falls below 1.5 mg/l, the rate of aerobic oxidation is reduced and replaced by anaerobic bacteria that can oxidizes the organic molecules without the use of oxygen.

5. Which of the following way is used to reduce the pollution load on marine water?

- a) Manual cleaning of pollutants
- b) Damping the pollutants during winter
- c) Introducing sewage treatment plants
- d) Ban the license of industries which are near to the sea

Answer: c

Explanation: One of the best ways of reducing the pollution load on marine waters is by introducing sewage treatment plants. This will reduce the biological oxygen demand (BOD) of the final product before it is discharged to water.

6. The Deepwater Horizon oil spill considered amongst the largest oil spills in history.

- a) True
- b) False

Answer: a

Explanation: The Deepwater Horizon oil spill, also known as the Gulf of Mexico oil spill occurred on 10 April 2010. It caused a catastrophic explosion on the Deepwater Horizon offshore oil drilling platform. Hundreds of millions of liters have been split to date. This affects the habitats of thousands of marine organisms

7. What is the reason that oil pollution attracts the greatest attention?

- a) Because of the volume
- b) Because of the density
- c) Because of the mass
- d) Because of the visibility

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Answer: d

Explanation: Oil pollution of the sea normally attracts the greatest attention because of its visibility. They visible to the greater range because the pollution spread to the longer distance within a few hours. This pollution cause damaging to the marine ecosystems.

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8. The natural process of emulsification of oil in water can be accelerated through the use of chemical dispersants.

- a) True
- b) False

Answer: a

Explanation: A variety of slick-lickers in which a continuous belt of absorbent material dips through the oil slick and is passed through rollers to extract the oil have been designed. Rocks and harbour walls can be cleaned with high pressure steam or dispersants.