

ENVIRONMENTAL STUDIES WORKSHEET- 3

Multiple Choice Questions (MCQ)

Q.1 What is the correct order of the 3R principle?

- A. Recycle, Reuse, Reduce
- B. Reuse, Reduce, Recycle
- C. Reduce, Reuse, Recycle
- D. None of the above

Answer : C. Reduce, Reuse, Recycle

2. During photosynthesis ,autotrophs take in _____

- (a) Oxygen
- (b) Carbon dioxide
- (c) Nitrogen
- (d) Sulphur

Answer: (b)

3. Rise in the sea level is due to _____

- (a) Ozone depletion
- (b) Smog
- (c) Global warming
- (d) Acid rain

Answer:(c)

4. Increase in concentration of soluble salts in the soil is known as _____

- (a) Desertification
- (b) Soil erosion
- (c) Bioaccumulation

(d) Salination

Answer:(d)

5.In the atmosphere the layer above the troposphere is _____

(a) Stratosphere

(b) Exosphere

(c) Mesosphere

(d) Thermosphere

Answer: (a)

6.Acid rain contains

(a) Sulphuric acid

(b) Hydrochloric acid

(c) Oxalic acid

(d) Acetic acid

Answer: (a)

7.Bhopal Gas Tragedy was due to leakage of

(a) Methyl iso cyanate

(b) CO

(c) Both

(d) None of these

Answer (a)

8. Fossil Fuels are

(a) Renewable resources

(b) Non renewable resources

- (c) Both
- (d) None of these

Answer: (b)

9. The scientific study of human population is known as

- (a) Biography
- (b) Demography
- (c) Geography
- (d) Seismology

Answer: (b)

10. The range of temperature variation in mesosphere is _____

- (a) 20°C to -56°C
- (b) -2°C to -90°C
- (c) -56°C to -2°C
- (d) -90°C to 1200°C

Answer: (b)

QUESTIONS AND ANSWERS

1. What are the ecological services?

Ans. Though tree produces very good commercial goods, it also provides the following services such as production of oxygen, reducing global warming, soil conservation, regulation of hydrological cycle, pollution moderators, and wildlife habitat.

2. Describe mining and its types.

Ans. Mining is the process of extracting mineral sources and fossil fuels like coal from the earth. It requires removal of vegetation along with underlying soil mantle. There are two types of mining such as surface mining and underground mining.

3. What are the classifications of ecosystems?

Ans. Forest ecosystem, grassland ecosystem, desert ecosystem and aquatic ecosystem.

4. How does climate change affect the animals ?

Habitat loss: Rising temperatures affect vegetation, food sources, access to water and much more. Ecosystems may become uninhabitable for certain animals, forcing wildlife to migrate outside of their usual patterns in search of food and livable conditions, while causing other animals to die off.

5. What are the classifications of biodiversity?

Ans Genetic biodiversity, Species biodiversity, Ecological biodiversity and Landscape biodiversity.

6. What are the five major environmental solutions?

Following are some of the most common solutions to the environmental issue -

- i. Replace disposal items with reusable items.
- ii. The use of paper should be avoided.
- iii. Conserve water and electricity.
- iv. Support environmental friendly practices.
- v. Recycle waste to conserve natural resources.

7. What is meant by genetic biodiversity?

Ans. It is the sum of genetic information stored in the genes of individuals of plants animals and microorganisms.

8. What is meant by species biodiversity?

Ans. It is the population within which genes flow occurs under natural conditions.

9. What is acid rain?

Pollutants like sulphur dioxide and nitrogen dioxide react with water vapour in the air to form sulphuric and nitric acids. When these fall with rain, it is called acid rain, which can damage crops and monuments like the Taj Mahal.

10. What is the role of Information technology in environment and human health ?

Information Technology (IT) plays a critical role in environmental protection and safeguarding human health by enabling precise monitoring, rapid data analysis, and efficient communication. In 2025, advanced technologies like the Internet of Things (IoT), Satellite Remote Sensing, and Artificial Intelligence (AI) are the primary drivers of these improvements.

