

Worksheet

Our Environment

MCQs

Question 1: Acid rain is caused by

- (a) air pollution
- (b) water pollution
- (c) soil pollution
- (d) neither of these

Answer :

Correct Answer is Option A.

Acid rain is caused by a chemical reaction that begins when compounds like sulfur dioxide and nitrogen oxides are released into the air. These substances can rise very high into the atmosphere, where they mix and react with water, oxygen, and other chemicals to form more acidic pollutants, known as acid rain.

Question 2: Our environment consists of

- (a) living things only
- (b) non-living things only
- (c) both living and non-living things
- (d) neither living nor non-living things

Answer :

Correct Answer is Option C.

An environment includes living things such as plants, animals, people, and even the tiniest of microbes. The living portions of the environment are called the biotic parts. The nonliving portions, such as rocks, sunlight, and air, are called the abiotic parts.

Question 3: Which of these causes soil pollution?

- (a) Garbage
- (b) Smoke
- (c) Cutting trees
- (d) All of these

Answer :

Correct Answer is Option D.

Illegal dumping of the solid wastes, polluted water absorbed by the soil, use of chemical fertilizers and pesticides, dumping of minerals, oils, and radioactive wastes are the major causes of soil pollution.

Question 4: This is a gas which protects us from the ultra violet rays of the sun.

- (a) Oxygen
- (b) Ozone
- (c) Methane
- (d) Carbon dioxide

Answer :

Correct Answer is Option B.

Ozone in the stratosphere protects life on Earth from harmful ultraviolet (UV) radiation and is therefore often called 'good' ozone. This in contrast to ozone in the troposphere, the lowest layer of the atmosphere, where it is an air pollutant and can be harmful to humans, animals and vegetation.

Name the following

Question 5:

- (a) A gas that absorbs harmful rays from the sun. **Ozone**
- (b) Things that rot and mix with the soil. **Biodegradable Waste**
- (c) Warming up of the atmosphere because of increasing carbon dioxide. **Global Warming**

Tips:

- The ozone layer is a thin part of the Earth's atmosphere that absorbs almost all of the sun's harmful ultraviolet light. "Ozone holes" are popular names for areas of damage to the ozone layer.
- Wastes that rot by the action of decomposers are called biodegradable wastes. These wastes mix with the soil and produce manure. Some examples are dead plants and animals and their products.
- Global warming, the gradual heating of Earth's surface, oceans and atmosphere, is caused by human activity, primarily the burning of fossil fuels that pump carbon dioxide (CO₂), methane and other greenhouse gases into the atmosphere.

True & False

Question 6:

- (a) If you use a plastic bag again and again you help reduce garbage. **(True)**
- (b) A safe way to dispose of garbage is to burn it. **(False)**
- (c) Non-biodegradable waste does not rot. **(True)**
- (d) Water pollution leads to melting of ice at the poles and flooding of coastal areas. **(True)**

Tips:

- Reduce your use of disposable shopping bags by using a reusable bag or container when shopping.
- In many cases, the garbage can or recycling bin is the best option.
- Plastic is a non-biodegradable waste, as it does not rot by the action of decomposers

Fill in the blanks

Question 7:

- (a) Drinking polluted water can cause diseases such as cholera and diarrhoea.
- (b) Harmful substances in the air, water and soil are called pollutants.
- (c) Getting regular vehicle pollution reduces air pollution.

Tips:

- Contaminated water and poor sanitation are linked to transmission of diseases such as cholera, diarrhoea, dysentery, hepatitis A, typhoid, and polio.
- These harmful materials are called pollutants. Pollutants can be natural, such as volcanic ash. They can also be created by human activity, such as trash or runoff produced by factories. Pollutants damage the quality of air, water, and land.

Answer the following questions in brief.

Question 8: What is recycling? Name three materials that can be recycled.

Answer : Recycling is defined as a process of converting waste and non-useful products into new and useful products for human use. Recycling is an excellent

and cost-efficient system of conserving the environment and saving energy. Recyclable materials include many kinds of glass, paper, cardboard, metal, plastic, tires, textiles, batteries, and electronics.

Question 9: What harm do plastic bags cause if thrown in a drain?

Answer : When plastic enters the drainage and sewerage system, they block the pipes and the drains causing waterlogging. The improperly disposed of food bags, when eaten by animals, cause stomach and intestine related disease which even lead to suffocation and death.

Question 10: List the causes of land pollution.

Answer : Causes of land pollution are:

- Deforestation and Soil Erosion. Deforestation carried out to create drylands is one of the major concerns.
- Agricultural Activities.
- Mining Activities.
- Overcrowded Landfills.

Question 11: Explain how global warming occurs.

Answer : Global warming refers to the general increase in the earth's average temperature, which causes changes in climate patterns across the globe. Greenhouse gases are in the atmosphere, absorbing and holding heat, which causes earth's temperature to rise.

Question 12: Use the clues to solve the crossword puzzle.

Answer :

ACROSS

1. Fruit peels are Biodegradable waste.
2. Solid waste is called garbage.
3. Compost is a manure made from biodegradable waste.

DOWN

4. Biodegradable substances Rot and mix with the soil.
5. To Recycle means to make something useful from waste.

