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## Revision Worksheet -3 Answer Keys Step- V Science

### Q1. Choose the correct answer

a. Which of these causes acid rain?

**Ans: i. Air pollution**

b. Which of the following gases depletes the ozone layer?

**Ans: iii. Chlorofluorocarbon**

c. Which of the following are not abiotic components?

**Ans: iv. Microorganisms**

d. Which of the following is not a cause of water pollution?

**Ans: iii. Drinking clean water**

e. What is an example of a renewable source of energy?

**Ans: iii. Solar energy**

### Q2. Fill in the blanks

a. Animals that hunt and feed on other animals are called **predators**.

b. In a community food chains are interconnected to form a **food web**.

c. Primary consumers feed on **producers (plants)**.

d. **Mesosphere** is the coldest layer of the atmosphere.

e. **Bacteria and fungi** are known as decomposers.

f. In a food chain only **10%** energy is transferred to the next feeding level.

g. **Ozone layer** is a deep layer in the stratosphere which protects us from UV rays.

### Q3. Answer in one word

a. The uppermost layer of the atmosphere – **Exosphere**

b. An example of scavenger – **Vulture**

- c. Animals that are hunted and eaten – **Prey**
- d. Layer of air around Earth – **Atmosphere**
- e. Harmful substances which cause pollution – **Pollutants**
- f. Smoke when mixed with rainwater forms – **Acid rain**

#### **Q4. Give Reasons**

**a. Plants are called producers**

Because plants make their own food by photosynthesis and provide food to all other living organisms.

**b. Decomposers are important in a food chain**

They break down dead plants and animals into simpler substances and return nutrients to the soil.

#### **Q5. Answer the following questions**

**a. Two causes of air pollution:**

- Smoke from vehicles
- Smoke from factories

**b. What will happen if there was no ozone layer?**

Harmful ultraviolet rays from the Sun would reach Earth, causing skin diseases, eye damage, and harm to plants and animals.

**c. Two causes of water pollution:**

- Dumping waste into rivers
- Industrial chemicals

#### **Q6. Case-based Questions**

**1. Identify the producer, primary consumer, and secondary consumer:**

- Producer: **Grass**
- Primary consumer: **Deer**
- Secondary consumer: **Tiger**

**2. What will happen if all the deer in the jungle disappear?**

The tiger will not get food and may die or move to another place. The food chain will be disturbed.

**3. How does energy transfer from grass to tiger?**

Energy passes from grass to deer when the deer eats grass, and then from deer to tiger when the tiger eats the deer.

