

# WORKSHEET 1

## CHAPTER 19 – WASTE GENERATION AND MANAGEMENT

### A. Name the following.

1. Dumping waste in a certain area and covering it with soil.
2. Conversion of biodegradable waste into manure.
3. A common waste released from cement factory.
4. Another term for incineration.
5. A device used in metallurgy and mining industry to remove gaseous particulate air pollutant.

### B. Fill in the blanks.

1. \_\_\_\_\_ is a common non-biodegradable waste.
2. \_\_\_\_\_ is the residue of sugar cane mostly used as firewood or in paper manufacturing.
3. \_\_\_\_\_ removes particulate pollutant from thermal plant.
4. \_\_\_\_\_ is the solid precipitated material produced during secondary treatment of waste.
5. An eco-friendly waste disposal method is \_\_\_\_\_

### C. State whether the following statements are True or False.

1. All non-biodegradable waste can be recycled.
2. Incineration does not release harmful gases.
3. DDT is a non-biodegradable waste.
4. Vermicomposting is eco-friendly.
5. Sludge is formed in the primary treatment of sewage.

### D. Match the items in Column A with those in Column B and write down the matching pairs.

#### Column A

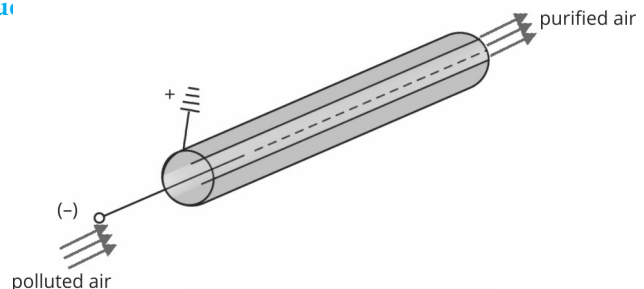
1. Secondary treatment
2. Tertiary treatment
3. Non-biodegradable waste
4. Reusable waste
5. Biodegradable waste

#### Column B

- a. Chlorination
- b. Electronic item
- c. Vegetable and fruit peel
- d. Biological treatment
- e. Newspaper

### E. Study the given figure and answer the following questions.

1. Identify the given device used to reduce the atmospheric pollutants.
2. Explain the principle of working of this device.
3. Where is this device commonly used?



Name: .....

Teacher's signature: .....

Class: ..... IX .....

Date: .....

# ANSWERS

## WORKSHEET 1

### A. Name the following.

1. Landfill
2. Composting
3. Dry ash
4. Thermal treatment
5. Wet scrubber

### B. Fill in the blanks.

1. Plastic
2. Bagasse
3. Electrostatic precipitator
4. Sludge
5. composting

### C. State whether the following statements are True or False.

1. False
2. False
3. False
4. True
5. False

### D. Match the items in Column A with those in Column B and write down the matching pairs.

1. d.
2. a.
3. b.
4. e.
5. c.

### E. Study the given figure and answer the following questions.

1. Electrostatic precipitator
2. The dirty air containing particulates is passed through a chamber containing electrically charged plates. The particles may be naturally electrically charged and as they pass through the charged plates of the precipitators they get collected on the plates carrying opposite charge and the clean gas passes out.
3. Thermal plants