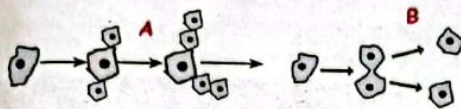


48. The diagram below shows a common mode of reproduction in organisms. Use it to answer questions that follow.



a) Name the mode of reproduction shown in the diagram labelled A and B

A : Budding

B : Binary fission

b) Identify one organism that reproduces using mode A of reproduction.

Yeast/ corals

c) How is reproduction in living things useful in the environment?

It enables living things increase in number in the environment.

49. a) Which structure in the human heart prevents the deoxygenated blood from mixing with oxygenated blood?

Septum.

b) Mention the main reason why blood is pumped to the lungs.

To be oxygenated or to pick oxygen.

c) Name the chamber of the heart that does the following activities during blood circulation:

i) receives deoxygenated blood from all body parts.

Right atrium.

ii) Pumps blood to all body parts.

Left ventricle.

50. a) Give the meaning of the term 'air pollution'

This is the addition of harmful substances into air or the atmosphere.

b) Mention any one pollutant of air in the environment.

Industrial smoke

Fumes from insecticides and pesticides

Dust

Smoke from burning cigarettes

c) Apart from air pollution, name any other one type of pollution.

Water pollution

Land degradation or pollution

Noise pollution.

Give one way of protecting the environment

against pollution.

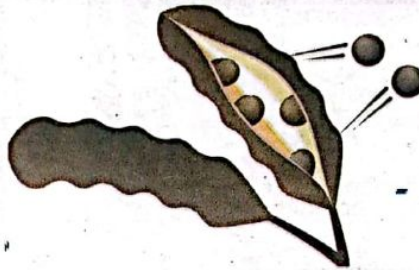
By treating industrial smoke before releasing

out

- by fencing small water sources
- by proper use of latrines
- by planting trees in the environment
- by avoiding agriculture at the shores of lakes or rivers or waterbodies
- by swamp reclamation

51. The diagram below shows a type of seed dispersal.

Use it to answer questions that follow.



a) Name the type of seed dispersal shown in the diagram above.

Self dispersal or explosive mechanism

b) State any one way the above fruit is adapted to the mode of seed dispersal shown above.

Their pods can easily split when dry.

c) Name any two advantages of the process shown in the diagram above to the environment.

It prevents extinction of plants in the environment

- it enables plants to colonise other places in the environment

- it prevents overcrowding of plants in one place

52. a) What are health concerns?

These are health problems faced by people in an area and need immediate solution.

b) Which health concern is addressed by the following:

i) growing enough food in a family.

- Poor food supply

- inadequate food.

ii) constructing boreholes in a community.

Poor water supply.

iii) providing dustbins.

Poor sanitation.

53. a) How can a farmer control the following poultry vices?

i) Egg eating. By debeaking

- by making laying corners dark

- by picking the eggs regularly

- by feeding the hens on food rich in calcium

- giving birds enough food.

ii) Cannibalism: By feeding the birds on enough

feeds and in time

- by debeaking

- by hanging green vegetables in the poultry house to keep the birds busy.

b) Give two effects of vices in poultry.

- They reduce the poultry production

- They cause death of the birds

- Lower the quality of products.

54. a) Give two effects of heat on a piece of metal.

- It makes a metal to expand

- It makes the metal hot or increases the temperature of the metal

- It may make the metal soft

- It may cause bending of the metal

b) Mention two advantages of heat transfer by convection in our daily life.

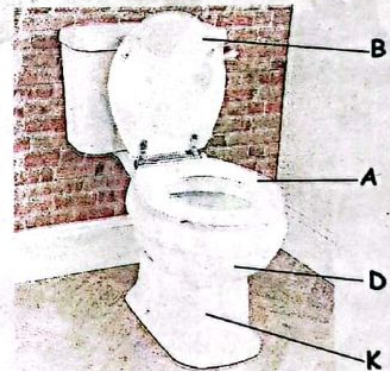
- It enables us to cook or boil liquids

- It helps in proper circulation of air in a house

- It helps to maintain burning in an iron box or cooking stoves

- It helps in draining of smoke from the kitchen using a chimney.

55. The diagram below shows a facility used to promote sanitation at home. Use it to answer questions that follow.



a) Name the parts labelled with letters A and B

A: i) Seat (toilet seat)

B: Toilet cover or lid

b) What is the importance of water that remains at the base of the bowl at part K

It prevents a bad smell from the septic tank from coming out.

c) Mention any two ways of caring for the above facility at home.

By flushing it after using/ by using soft toilet tissues in it to prevent blockage/ repairing all broken surfaces on it/ by mopping or scrubbing its flow/ by removing the cobwebs in the toilet/ by slashing around it to avoid dangerous animals around it