

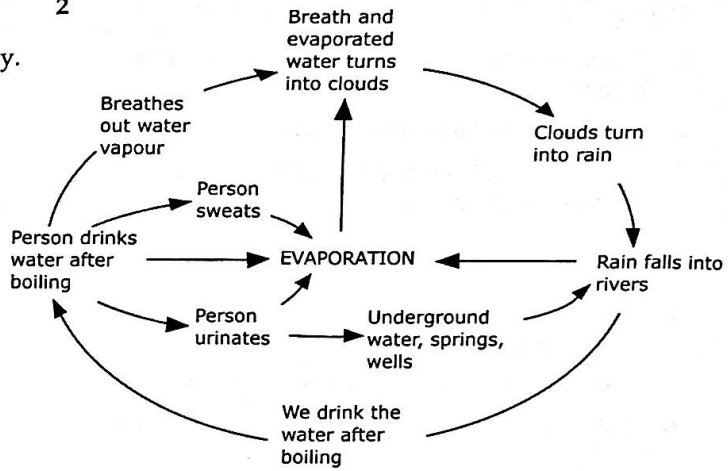
## Topic 11

- 1 The body needs oxygen to burn food to make energy.
- 2 The nose filters, warms and moistens air.
- 3 Nitrogen.
- 4 When we breathe in, the body extracts oxygen and so the air we breathe out contains less oxygen.
- 5 To collect oxygen.  
To drop or get rid of carbon dioxide.
- 6 Pulmonary vein.
- 7 It is spread by:  
Drinking raw milk.  
Breathing in dust where there are germs.  
Breathing in air with droplets containing the TB germs.
- 8 Lungs.
- 9 The lungs allow blood to obtain oxygen.
- 10 Blood in the pulmonary vein is oxygenated while blood in the pulmonary artery is deoxygenated.
- 11 We can avoid respiratory diseases by:  
Feeding well.  
Exercising regularly.  
Avoiding drug abuse.
- 12 Jogging, deep breathing exercises, etc.
- 13 Pollution reduces body immunity.  
Pollution exposes us to carcinogenic (cancer-causing) substances
- 14 A - trachea  
B - bronchus  
C - alveolus
- 15 Pneumonia can be prevented by:  
Living in dry airy places.  
Eating well.
- 16 Lung cancer can be caused by:  
Smoking tobacco.  
Breathing in polluted air.
- 17 Polluted environments can cause cancer or pleurisy.
- 18 The diaphragm contracts and relaxes in order to force air into or out of the lungs.
- 19 0.03%.

## Topic 12

- 1 Environmental degradation is the depletion of the environment.

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- 3 Earthquakes, strong winds, floods, mud slides, etc.
- 4 Road construction, dam construction, human settlement, etc.
- 5 Moving away and early detection.
- 6 Floods damage the biomass in an area and erode soil.
- 7 Locusts.  
Locusts can be controlled by:  
Early detection of impending migration.  
Detection and destruction of locust eggs.  
Spraying using sprayer planes.
- 8 Earth-moving equipment turns over the soil exposing red subsoil which is not productive.
- 9 Dam construction causes flooding, death of biomass, deforestation, etc.
- 10 Setting up parks, reserves and zoos.  
Sensitisation of people to wildlife protection issues.
- 11 Zoo:  
Helps us to breed endangered species.  
Helps us to protect endangered species.  
Helps us to study the behaviour of animals.  
Helps us to bring rare species nearer to people and therefore interests people in wild species.
- 12 We should learn to use resources in the environment sustainably following the 3Rs:  
Reduce, Reuse, Recycle.  
We should live in nucleated settlements.
- 13 Industrial wastes cause pollution and lead to death of biomass.
- 14 Tsetse flies kill cattle. This impacts on the carnivore populations and this upsets the balance of nature.
- 15 Earthquakes can cause:  
Faults.  
Wild fires.  
Death of plants and animals.  
Floods.  
Disappearance of water masses.