

# YEAR 2008 ANSWERS

## SECTION A

1. (a) Watering can, Panga, Hoe  
(b) Plane, Handsaw, Chisel
2. Sodium
3. Candles, Torch
4. Iron, Nail, Steel wire
5. Liquid fuel -Kerosene (paraffin), diesel, petrol  
Solid fuel- Charcoal, Firewood
6. Water is a solid because it freezes to form ice.
7. *Teacher's guide*
8. Transfers energy from one circuit to another  
- Change/Convert high and low voltage
9. Because of refraction
10. Through air- radiation  
Through a metal- Conduction  
Through water- Convection
11. Sound energy
12. Refraction of sound waves
13. Umbra is the darkest inner part of a shadow while Penumbra is the lightest outer part of a shadow
14. The boy sitting near the pivot with a weight of 400N and a distance of 1.5m
15. Left Ventricle  
-Right Ventricle  
-Right auricle/Atrium  
- Left auricle/Atrium
16. Serious colourless watery diarrhoea -Physical weakness
17. Drink boiled water  
- Heat cold food before eating - Use latrines to dispose faeces
18. (a) Scurvy  
(b) Fruits eg Guava, Oranges, Paw paws, Red Pepper, Green Vegetables
19. Both of them spread diseases (vectors)
20. Balance air pressure between the outer ear and middle ear
21. Causes soil erosion

22. (a) Pupa (b) Spiracles (c) For breathing
23. (a) Echo (b) Because of refractions
24. Transpiration is the loss of excess water from plants by evaporation
25. Causes bad smell
26. Mid-day
27. To remove waste products from blood
28. Add nutrients in the soil
29. Has no smell  
-Has no colour  
-Has no taste  
-Has no shape
30. (a) Soil erosion is the washing away of the top soil by the agents of erosion  
(b) -Running water - Strong winds - Man's activities like deforestation -Animals
31. A clinical thermometer has a kink whereas other thermometers do not have kinks

## SECTION B

32. (a) Movable Joint (Ball and Socket Joint)  
(b) P-Pelvis  
Q- Back Bone/Vertebra  
(c) This joint moves in all directions while the elbow joint moves in only two directions (to and fro)
33. For drinking -For Cooking  
-For washing
34. Syphilis -Gonorrhoea  
-AIDS
- 35.

Food	End product after digestion
Carbohydrates	Glucose
Proteins	Amino Acids
Fats	Fatty Acids and glycerol

36. (a) Distillation method  
(b) Evaporation  
(c) To cool the hot vapour  
(d) Distilled water
37. (a) -Both require oxygen to take place  
-Both have chemical Changes (end results can't be changed)  
(b) -Because of presence of oxygen  
-Because of presence of water/moisture
38. (a) Pectoral fin  
(b) Change of swimming direction and forward movement  
(c) For smelling  
(d) Ducks, Seals, Sea lions, Pelicans, Water snakes, Crocodiles, Frogs
39. (a) By planting the suckers  
(b) Banana weevils, Banana strips (c) Stems
40. (a) C (21%) (b) Used in electric bulbs  
(c) D- Nitrogen  
A- Carbon dioxide
41. (a) Both will lack motherly care  
(b) Loss of weight, poor feeding  
(c) Use family planning methods
42. (a) -Eating uncovered food  
-Eating food without washing hands  
(b) Diarrhoea, Dysentery, Cholera  
(c) Because houseflies also fed on the food
43. (a) B-Larva C-Pupa  
(b) Stage B  
(c) Because it has 6 legs, three body parts
44. (a) -In-born immunity - Acquired immunity  
(b) Malaria
45. (a) Mushrooms, Mosses  
(b) Beans  
(c). Decaying places

46.