

YEAR 2010 ANSWERS

SECTION A

1. Mason
2. No
3. Candle, Match Stick, Torch
4. Petrol-Used in cars, Generators
5. (a). Ray A -Incident ray
(b). Ray B -Reflected ray
(c). Angle C -Angle of reflection
(d). Angle D -Angle of incidence
6. To allow in light into the house
7. Bulb
8. (a). An ordinary aluminium kettle loses heat by convection, radiation, conduction
(b) Radiation
9. False
10. True
11. True
12. True
13. Teacher's guide
14. Bathing in a water source
15. Aluminium Rod, Dry wood
16. (a) -For lifting -For Cooking
-For operating machines
(b)- Causes fires - Damages electrical appliances - Cause shock and kills
17. (a) Yes (b) When a stone is dropped in water (pool) Sound is made (heard)
18. Iron. Steel
19. (a) Oxygen -Nitrogen
(b) Carbon dioxide
20. (a) Because at night there is limited noise (quietness) (b) Because of reflection
21. (a) Grams(g/cc) or g/cm^3
(b) Teacher's guide
22. (a) 6 legs
(b) Thorax
(c) Because it has 8 legs
23. (a) Transfer of pollen grains from the anther heads to the stigma of a flower
(b) Sun birds -Moth -Bees -Humming birds
24. (a) (i). Animals die and rot to give manure to plants
(ii). Animals give out carbon dioxide which plants use during photosynthesis
(b) Water -Sunlight -Carbon dioxide -Chlorophyll
25. (a) Using Spiracles
(b) Trachoma, Diarrhoea, Dysentery, Cholera
26. A forestation -Re-afforestation

SECTION B

27. (a) Q-Head, R-Front legs/Fore legs
S- Compound eyes T-Abdomen
(b) For feeling
28. (a) -Removing stagnant water -Clearing bushes
(b) Female anopheles mosquito
(c) Plasmodium parasite
29. (a) Cholera Typhoid Dysentery
(b) Boiling drinking water
30. (a) A-Eggs B-Nymph C-Adult
(b) P-Feelers/ Antennae S- Spiracles
(c) Stage B does not have wings unlike C
31. Problems chewing food
-problems grinding food
32. (a) gills
(b) -Through the lungs -Through the skin
(c) By use of fins (tail fins)
33. (a) -Blood -Heart -Blood vessels
(b) Capillaries
(c) Aorta
34. Weakness -Poor growth
-loss of appetite -Watery stool
35. (a) -For breathing -To support burning
(b) Used during photosynthesis
36. Perfumes -Smoke from old cars
-Fumes from factories -Smell from latrines
37. To kill germs -Make it soft and easily digested -give it a good taste and smell
38. Small intestines- absorption of food
Pancreas- produce pancreatic juice
39. (a) Abstain from Sex
(b) (i). Through unprotected sex with an infected person.
(ii). Sharing sharp instruments with an infected person.
(c) White blood cells
40. (a) Teacher's guide
(b) To lift cars while repairing them
41. (a) Root nodules
(b) Legumes
(c) Nitrogen fixing bacteria
(d) Absorb nitrogen and convert it into nitrates