

BRAIN TEAR ITEM 1 SCIENCE GUIDE

1. Fractional distillation
2. liquid state
3. To reduce bad body smell
4. Mosquitoes bite people
5. Sap
6. Pupa stage
7. First class lever
8. For removing bloat
9. rat
10. (Mouth part).
11. For protection.
12. Pancreatic duct.
13. Necrophilia.
14. Humus.
15. Girls have lower bargaining power for safer sex.
Girls are victims of rape and defilement.
Girls mature earlier and get into sex than boys.
16. Destroys crops / houses.
17. Heat energy.
18. An egg has a porous egg shell.
19. It enables an egg carry out gaseous exchange.
20. Chemical change.
21. Prevents houseflies from reaching faeces, prevents smelling air from the septic tank.
22. Swim bladder.
23. Larva stage.
24. Salt dehydrates fish salt
Drains moisture from fish
25. oxygen
26. Blood in D is oxygenated while blood in C is deoxygenated
27. Near drowning. Lead to floods, Leads to choking, spread of germs, Leads to drowning.
28. Limits poverty in the family
29. They are protein in nature, Works best under optimum temperature.
30. It may lead to introduction of germs in the mouth.
31. Nitrogen is used in preservation of semen.
32. Farmyard manure.
33. Ft causes cracking and breaking of buildings.
34. By heating.
35. Soft water is water that forms lather (foams) easily with soap.
36. Naphthalene balls, sulphur crystals, Potassium permanganate.

37. For privacy, protection against harsh weather.
38. For washing clothes
39. It is expired
40. Smoothens / lubricates the skin.

SECTION B

41. a) Balloon A
b) Air
c) First class lever
d) Too deflate balloon A / To inflate balloon B
42. a) i) Fungi Kingdom
ii) Plant kingdom
b) Organisms in P lack chlorophyll while those in R have chlorophyll.
c) They all reproduce by spores
43. a) Zymase enzyme
b) i) Tar (ii) nicotine
c) Smoke causes abnormal growth of cells in the lungs.
44. a) radios, mobile phones, watches.
b) Electricity can shock people to death.
c) Wet wood contains minerals which conduct electricity.
45. a)

b) Has the same size, color and shape as the object / It is erect/ it is virtual
c) Plane mirror.
46. a) Plants mature in a short time, Plants need less attention, seedless plants are propagated.
b) Marcotting, Layering, budding, grafting.
47. i) Osmosis is the process by which water molecules move from a region of low salt concentration to a region of high salt concentration through a semi permeable membrane.
ii) Transpiration is the process by which plants lose water as vapour in the atmosphere.
iii) Photosynthesis is the process by which plants make their own food.
iv) Plant tropism is the plant response towards a stimulus.
48. Permanent set.
b) Incisor = $2 \times 2 = 4$
Canine = $2 \times 1 = 2$
Premolars = $2 \times 2 = 4$
Molars = $2 \times 3 = 6$
 $2 + 4 + 4 + 6 = 16$ teeth
c) Upper jaw = $2 \times 3 = 6$
Lower jaw $2 \times 3 = 6$
 $6 + 6 = 12$ teeth
49. a) An alloy is a mixture of two or more metals.

b) To make metals harder

To lower the meet

To make metals resistant to corrosion,

c) Copper, zinc

50.a) These are already made fibres

b) Nylon, Rayon, Cashmilon, Acrilon

c) Silkworm

51. a) Covering food while cooking

Soaking beans before cooking

Cooking two food items at ago.

b) Briquettes

c) For manure, mulching

52.a) Crowdedness in schools – Drinking un boiled water.

b) Boiling water for drinking – Cooking food well before eating.

53.a) Corona virus Disease 2019

b) The lung

c) corona virus

d) Immunization, control of communicable diseases

54.a) Letter N

b) Water is denser than paraffin.

c) Use of separating funnel.

d) Fractional distillation.

55.a) Biodegradable wastes do not while non-biodegradable wastes do not rot.

b)i) Cow dung, Plant remains

ii) Plastic, glass, sacks

c) By making alloys

By using them sparingly.