

THE REAL PRIVATE TEACHER GUIDES NEXT TO PLE – 4 INTEGRATED SCIENCE - 2022

1. Clay soil
2. Femur/ thigh bone
3. Athletes foot
4. proboscis
5. lymphatic system
6. To increase electric resistance
7. moth
8. solid
9. cerebellum
10. To know housing needs of people/ for proper planning.
11. They have exo skeleton/ undergo sexual reproduction/ moult
12. They add/ fix nitrogen into the soil
13. Kidney failure.
14. It spreads up rotting/ decomposition
15. Both stop back flow of liquids.
16. Due to oxygen supply.
17. Physical change.
18. To improve animal products/ increase animal disease resistance.
19. Evaporation
20. Coppicing
21. a zygote
22. man
23. anthrax
24. reflection of light
25. through shivering/ raising of the skin hair/ vasoconstriction/ production of goose pimples.
26. cork/ vacuum
27. Both are places where image is placed.
28. It can worsen the disease/ leads to germ resistance against the disease/ failure to heal.
29. Sanitary pads/ cotton wool/ soap/ water/ clean cloth.
30. To know the depth of rain eater into the soil.
31. Both help to show direction/ locate places.
32. Chemical to electric energy.
33. This is the breakdown of rocks into small particles.
34. First class lever
35. Joining good peer groups/ keeping busy during free time/ reading more facts about smoking.
36. Peer pressure/ poverty/ idleness/ pampering of children./ over strictness by parents/ family break down.
37. Due to buoyancy/ up thrust force.
38. By shedding leaves/ closing stomata/ use of a thick cuticle layer.
39. It keeps eggs together/ Prevents eggs against predators/ Keeps eggs buoyant.
40. Bronze/brass/ solder/ dentist amalgam
41. a). Poor personal hygiene/ sanitation/ drug abuse/ poor feeding.
b)By feeding children on a balanced diet./ taking children for immunization/ boiling water for drinking.
42. (a)Heat energy (b) Electric//electric energy (c). if is cheap
d). Put arrows along the wire running from positive terminal to negative terminal.
- 43.a). It is a source of income./ pork/ income (b). mammary glands/ health/ heredity/ body conformation/ age/ size/ breed.
c). pigs provide manure.
- 44.a). urinary bladder (b). filtration of blood
c).bilharziasis (d) **A** carries oxygenated blood while **B** carries deoxygenated blood.
- 45.a). These are resources that can be replaced naturally once used up.
b). coal/ peat/ crude oil/ plutonium/ rocks
c). thermal energy
- d). It can be replaced naturally once used up.
- 46.a). lever
b).By increasing the effort arm/ shortening the load arm. (c). friction
(d). Helps us to brake/ write/ grind/ sharpen tools.
- 47.a). By induction/ stroking/ electrical method
b). By hammering/ strong heating/ boiling it/ leaving it to rust.
- 48.a). separating tea from tea leaves.
(b). obtaining pure water from muddy water.
c). pure alcohol from fermented alcohol.
d). obtaining salt crystals from water.
- 49.a).It is the growing of crops together with trees on the same piece of land.
b). reforestation/ afforestation/ swamp reclamation.
c). By thinning/ weeding/ pruning/ watering
- 50.a).lung/ right lung (b). Air has left it./ It has expelled air.
c). **X** protects organ **Z**.
d). It causes lung cancer/ bronchitis/ emphysema
- 51.a).Non-flowering plants (b). Both produce spores.
c). Organisms in **K** have chlorophyll unlike those in **L**.
d). puff ball/ toad stool.
- 52.a). Pitch is the highness or lowness of sound while volume is the loudness or softness of sound.
(b). barking dog/ wind/ thunder/ lightning
c).helps sailors find sea depth/ pilots/ sailors dodge obstacles.
- 53.a). for modelling/ crop growing/ making bricks/ making glasses.
b). through dumping wastes/ over use of artificial fertilizers/ throwing polythene bag into the soil.
c). By manuring/ applying fertilizers/ practising crop rotation.
- 54.a). vertebrae (b). axial/ appendicular skeleton.
c).It supports the body/ protects delicate body organs/ attaches muscle to bones
- 55.a). (i) oviduct/fallopian tube (ii) uterus/womb
b).It produces oestrogen hormone/ female eggs/ ova.
c). regular bathing/ washing of knickers/ early treatment of STDs.

Engage

Inspire

Thrive

TEACHERS' VOICE