

THE REAL PRIVATE TEACHER GUIDES NEXT TO PLE – 3 INTEGRATED SCIENCE - 2022

1. Milk
2. Both are used for breathing (respiration)
3. Babies are born with measles immunity that lasts for nine months.
4. they cure/ prevent diseases/ reduce pain/ signs and diseases/ are affordable/ available and effective
5. charcoal
6. red blood cells
7. inclined plane
8. To remove creases/ promote personal hygiene
9. Air exerts pressure.
10. Both reproduce by seeds.
11. Both are chemical changes.
12. Coal/ crude oil/ petroleum/ natural gas/ peat/ plutonium
13. choking
14. regular reflection
15. By singing/ playing on a guitar or piano
16. To keep birds busy/ break boredom/ enable birds exercise/ control vices
17. For trapping prey/ flies.
18. Pot belly/ swollen limbs/ swollen moon face/ reddish blown hair.
19. Lemon/ orange/ lime/ tangerine/ mango
20. Vacuum seal
21. It has no matter/ air/ liquid/ solid.
22. Mass is measured in grammes while volume is measured in cubic units.
23. Both provide energy/ store chemical energy.
24. Maternal and child health care.
25. It has eight legs/ simple eyes/ breathes through lungs.
26. It provides most food values/ a balanced diet.
27. Breathing bleeding broken bone.
28. Zero grazing
29. VIP latrine
30. Preparing land/ drying harvested crops/ watering crops.
31. Due to less gravity on the moon than on earth.
32. It keeps them busy.
33. Evening time
34. Freezing/ melting/ evaporation
35. To prevent contamination/ wastage/ spoilage by germs.
36. 8cm^3
37. To prevent displaced water from spilling down/ create space for displaced water/ measure correct volume.
38. A short circuit
39. To abstain from sex/ stay virgin/ AIDS has no cure/ AIDS is commonly got through sex.
40. Alcohol/ tobacco/ heroin/ miraa/ marijuana/ jet fuel/ cocaine
41. a). Through sound waves
b)By vibration of vocal cords
c). percussion/ wind/ string instruments
42. (i)Breathing (ii)immunize using measles vaccine.
(iii). Bacteria/mycobacterium
iv). Diptheria/ pertussis/ tetanus
- 43.a). This is the ability of the soil to support plant growth.
(b).inorganic/ artificial fertilizers.
c). NPK/ urea/ phosphates/ SSP/ DSP/ TSP
- 44.a). grass → antelope → lion → vulture
b). (i) grass (ii) vulture
c). Bacteria
- 45.a). (i) femur (ii)ligament
b). Both reduce friction/ cushion bones
c). Forward and backward/ one plane movement.
- 46.a). filtration/ decantation/ distillation/ sorting/ winnowing/ hand picking
b). by evaporation to dryness (c). water
- 47.a). vulture/ marabou stork/ crow/ buzzard
b). They clean the environment by feeding on carrion/ decayed flesh.
c). A predator hunts and kills its prey while a scavenger feeds on carrion.
- 48.a). convection currents (b). By conduction
c). Convection
d). Enables smoke to move through the chimney/ used in boiling water/ ventilation/ rain formation.
- 49.a).During diarrhea a person loses a lot of water which results into dehydration.
b).sunken eyes/ soft spot/ fontanelle
c)Giving them a lot of fluids/ ORS.
- 50.a). (i) artery (ii) vein
b). **P** carries blood away from the heart while **Q** carries blood towards the heart./ **P** carries blood with high pressure while **Q** carries blood with low pressure.
- 51.a). Battery cage/ cage system
b). By proper feeding of birds/ cross breeding/ selective breeding.
c). Poultry provides droppings.
- 52.a). carbon dioxide (b). 0.03%
c). Used to put out petrol fire.
d). It does not allow multiplication of germs.
- 53.a). Molluscs
b). Both undergo internal fertilization/ sexual reproduction.
d). Animals in **A** are warm blooded while those in **C** are cold blooded.
- 54.a). production of sperms/ experiencing wet dreams/ enlargement of sexual organs.
b). It can lead to school drop out/ forced marriage/ teenage pregnancy.
c). ectopic pregnancy/ fibroids/ prostate cancer/ ovarian/ tumour/ blocked oviduct.
- 55.a). Rain/ water cycle/ rain formation
b). (i)**P** - transpiration (ii). **Q** - evaporation
c). distillation

Engage

Inspire

Thrive

TEACHERS' VOICE