

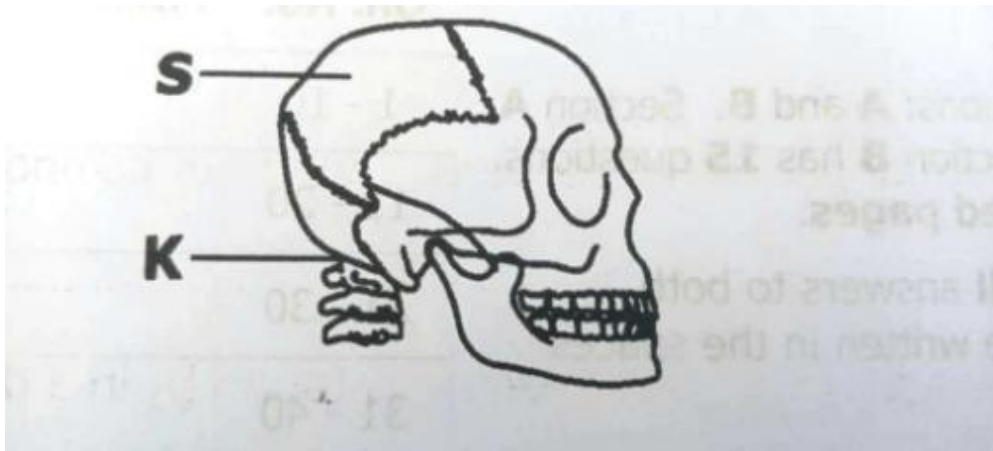
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P.L.E SCIENCE 2019

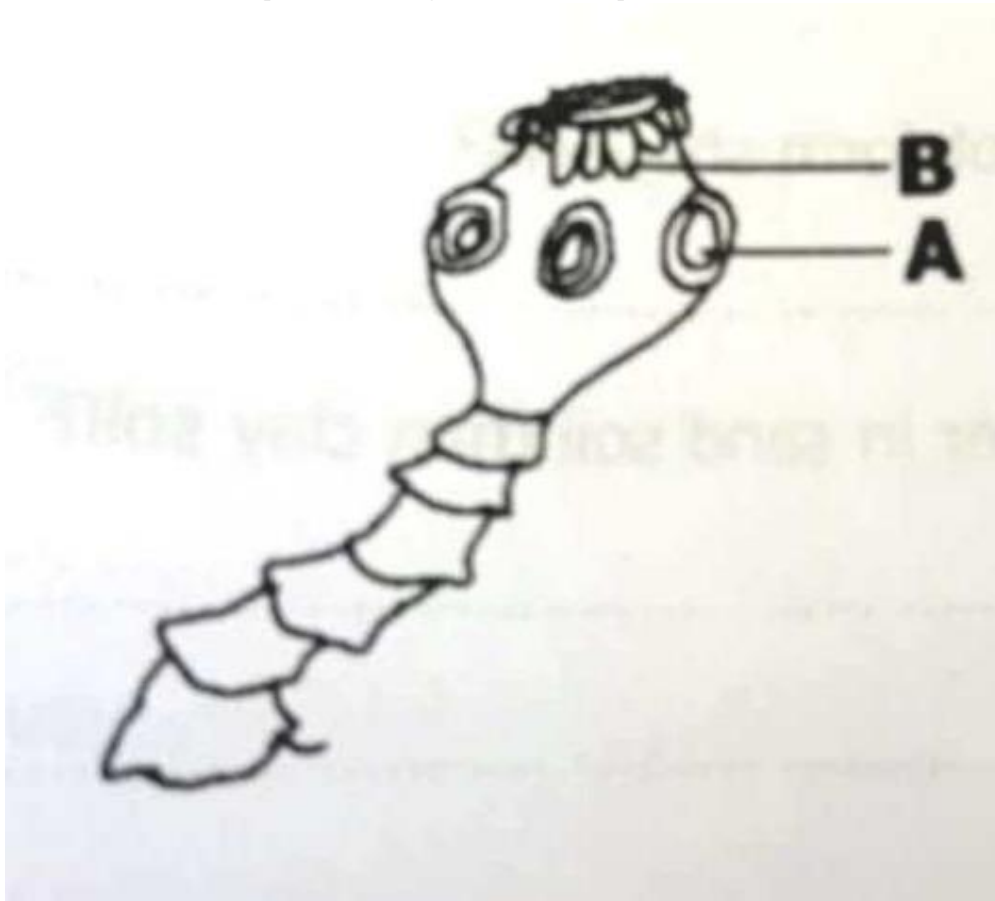
1. Name the source of solar energy.
2. Which Vector spreads relapsing fever to people?
3. State any one use of razor blade in promoting personal hygiene.
4. Give any one example of biological change in plants.
5. Which group of cold blooded vertebrates undergoes internal fertilization?

The diagram below is of a human skull and a neck vertebra. Use it to answer questions 6 and 7.



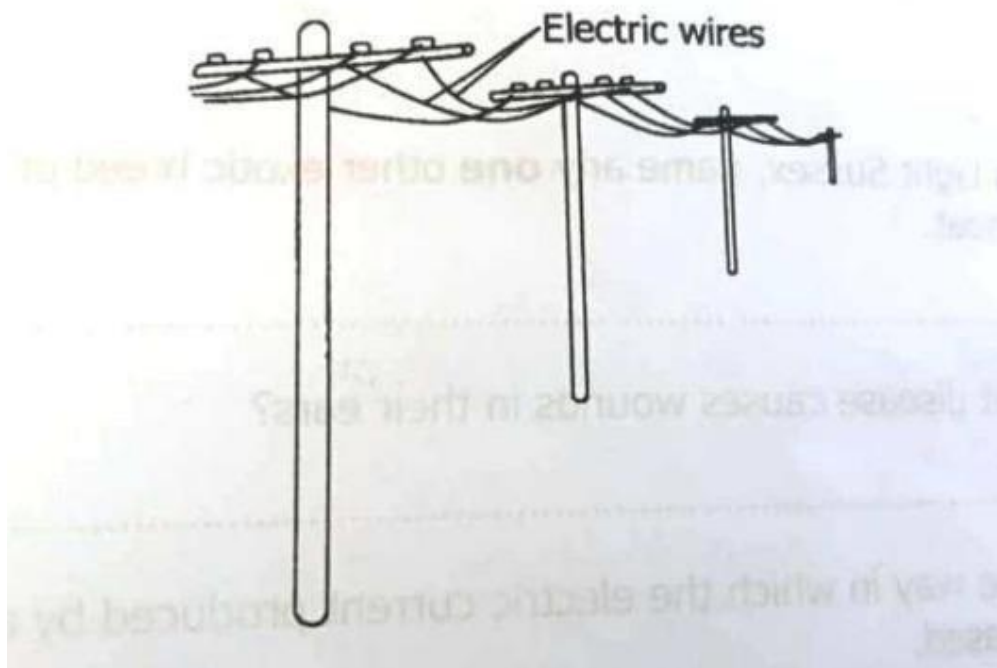
6. Name the movable joint at K.
7. Which delicate organ is protected by S?
8. State the type of cattle kept to provide labour in a farm.
9. What type of objects do not form shadows?
10. Why does water drain faster in sand soil than clay soil?
11. How is the eardrum useful in the process of hearing?
12. Write down any one activity done to seedlings during hardening off.
13. State any one characteristic of incisor teeth which makes them suitable for their function.
14. How can the breeding of houseflies be controlled in our compounds?
15. Which deficiency disease is caused by lack of Vitamin B1 in a diet?

The diagram below shows a head of a tapeworm,. Study it and answer questions 16 and 17.



16. Name the part marked A.
17. How is part B useful to the tapeworm?
18. State any one characteristic of essential drugs.
19. Give any one way in which you can re-use plastic objects at home.
20. How do carnivorous animals get energy from plant?
21. State one characteristic of non-renewable resources.
22. State any one difference in function between an artery and a vein.
23. Give any one way in which having regular physical exercises is important to the human body.
24. How is a coconut seed adapted to water dispersal?

The diagram below shows electric wires under a certain weather condition. Study it and answer questions 25 and 26



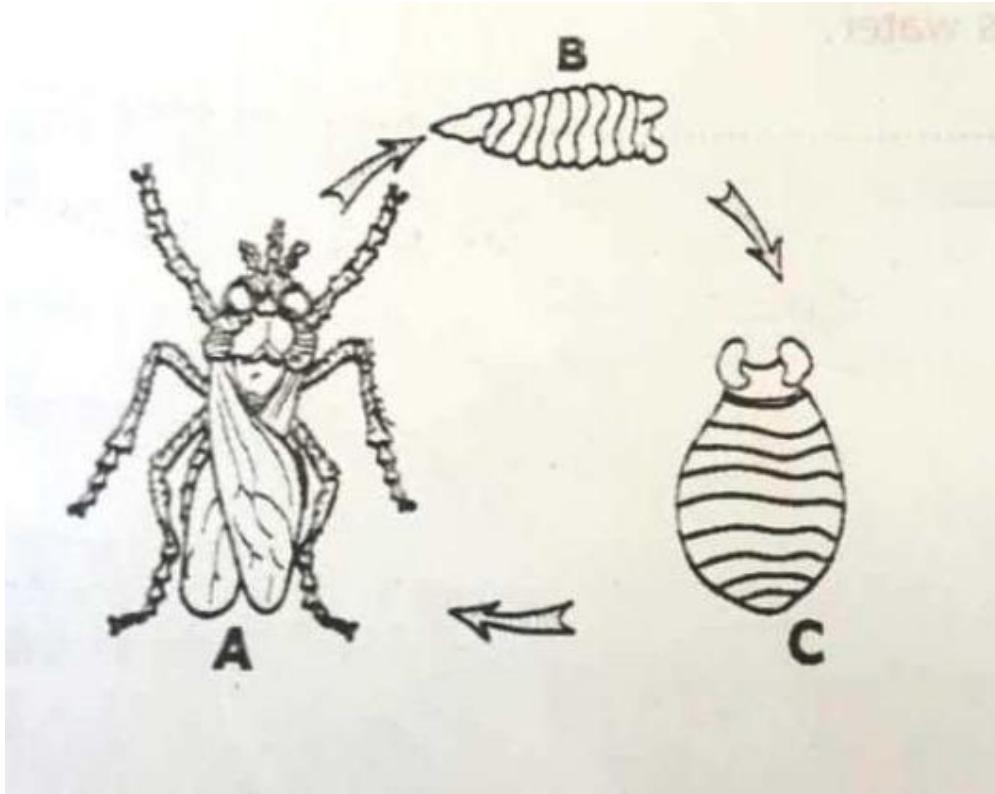
25. In which kind of weather condition do the electric wires appear as shown above?
26. Why do the electric wires appear as shown above?
27. Why is alcohol used in a maximum and minimum thermometer?
28. How does mouth to mouth breathing help a victim of near drowning?
29. State the importance of the hairs in the nose during breathing.
30. Which immunisable disease affects the liver?
31. Apart from light Sussex, name any one other exotic breed of chicken kept for meat.
32. Which rabbit disease causes wounds in their ears?
33. Give any one way in which the electric current produced by a dynamo can be increased.
34. How does an object less dense than water behave in water?
35. State any one condition which is favourable for bacteria breed.
36. Name any one root tuber crop which is propagated by use of seeds.
37. Which group of invertebrates has segmented bodies and jointed legs?
38. How does the PIASCY programme help school children to avoid being infected with HIV/AIDS?
39. Give any one reason why farmers sort seeds before planting them.
40. Apart from the skin, give any one other human body organ that excretes excess water.

SECTION B

41. (a) Name the component of air used for; (i) respiration..... (ii) putting out fire.....

(b) State any two dangers of wind to people

42. The diagram below shows the life circle of a vector. Study it and answer the questions that follow.



- (a) Name the vector whose life cycle is shown above.
 (b) Name the stage marked B.
 (c) What does stage A feed on?
 (d) How does the vector whose life cycle above spread disease?

43. (a) Write down any two causes of nose bleeding. (b) Why is a person whose is nose bleeding advised to, (i) lean back his/her head?
 (ii) pinch the soft part of his/her nose?

44. In the table below, part A shows terms used to describe sound and part B has a meaning of the terms.

Part A	Part B
Volume	Number of vibrations per second
Pitch	Reflected sound
Frequency	Loudness or softness of sound
Echo	Highness or lowness of sound

Use the meanings in part B of the table to match the terms below

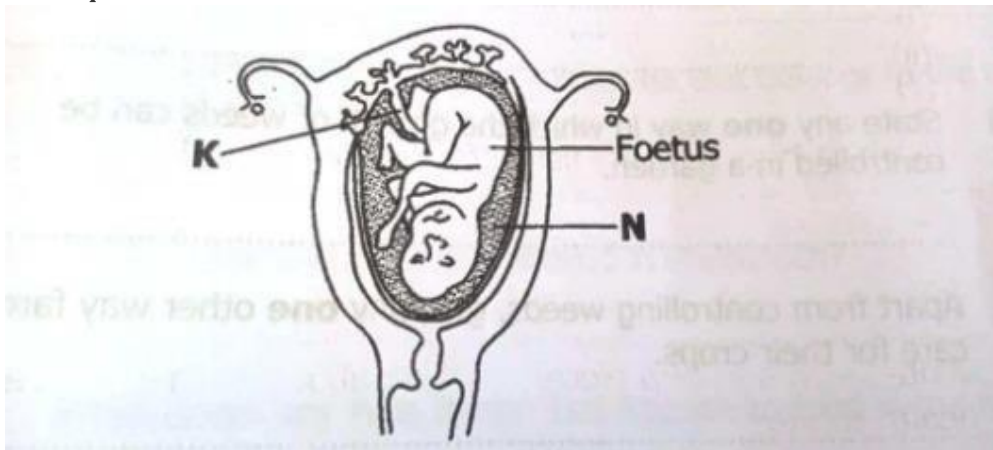
- (a) Volume..... (b)
 Pitch..... (c); Frequency
 (d) Echo

45. (a) Write down any two reasons why toads are classified as amphibians (b) In which two ways are fish different from amphibians?

46. (a) Write down any two pieces of information which are collected in a health survey. (b) Give two reasons why carrying out a health survey in an area is important.

47. The diagram below is of a developing foetus in a mother's womb.

study it and answer the questions that follow.



(a) Name the substance marked N (b) Give two uses of the part marked K to the fetus (c) On the diagram above, label placenta.

48. (a) Give one example of an exotic breed of goats kept in Uganda. (b) Name one example of fibre got from goats.

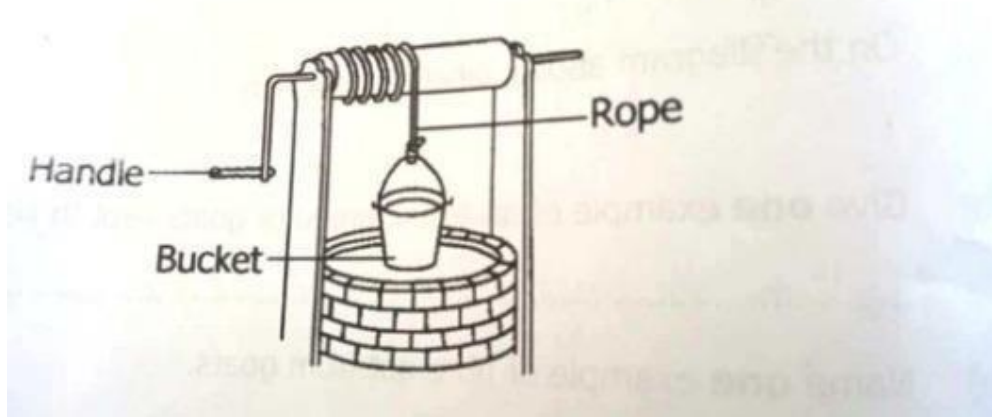
(c) State any two reasons why some farmers would prefer rearing goats to cattle.

49. (a) State any two ways in which weeds can lower the yield of crops.

(b) State any one way in which the growth of weeds can be controlled in a garden.

(c) Apart from controlling weeds, give any one other way farmers can care for their crops.

50. The diagram below shows a simple machine. Study it and answer the questions that follow.



(a) To which type of simple machines does the machine above belong?

(b) State any one use of the simple machine above.

(c) Name any one force that makes work difficult when using the above machine.

(d) Give one other example of a machine that belongs to the above type of simple machine.

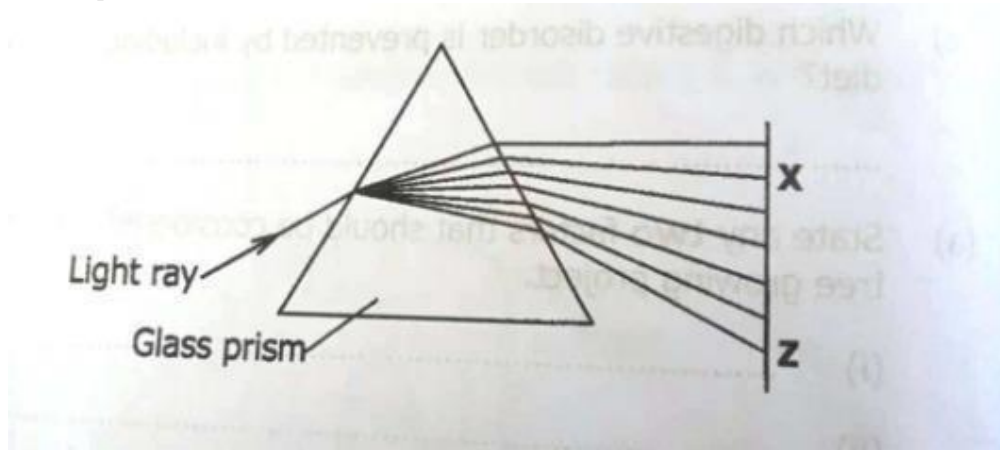
51. (a) Which digestive juice is produced in the mouth?

(b) Write down any two things that happen to food in the mouth.

(c) Which digestive order is prevented by including roughage in our diet?

52. (a) State any two factors that should be considered when starting a tree growing project. (b) Give any two benefits of a woodlot to a community

53. (a)What substance in plants helps them make their own food? (b)How is feeding in ferns different from that of mushrooms? (c)Apart from ferns, give any two other plants which are similar to mushrooms in their way of reproduction.
54. **The diagram below shows how light is split into seven colours using a glass prism. Study it and answer the questions that follow.**



a.

- Name the colours X and Z
- b. Why do the light rays bend at different angles as they leave the glass prism?
- c. Why do we usually see the above band of seven colours in the sky when it is raining?
55. (a)State any two signs of poor sanitation in a school.
- (b)Give any two diseases than can break out due to poor sanitation in a school.