

SCIENCE PROJECT WORK

Carry out an experiment to determine the type of germination undergone by different types of seeds.

Use the following items.

- ✓ Two tins
- ✓ Moist soil
- ✓ Viable seeds
- ✓ Monocot seeds (maize grains)
- ✓ Dicot seeds (bean seeds)

Step I

- Out moist soil in the two tins and label A and B respectively.

Step II

- Put maize grains in tin A and bean seeds in tin B.
- Then keep the tins under shed.

Observations

- Tell what happens to the seeds after three to five days.
- In which tin did the seeds germinate and the cotyledons;
 - i) appear on top of the soil
 - ii) remain in the soil

Conclusion

Which type of germination did seeds undergo in tins;

- i) A
- ii) B

SCIENCE

PAPER ONE

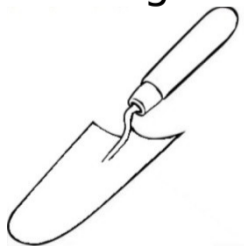
1. Name one example of a flowering plant.

2. _____
How is a rack important in a home?

3. _____
State one characteristic of insects.

4. _____
Why is clay soil good for making roofing tiles?

5. Name the garden tool in the diagram below.



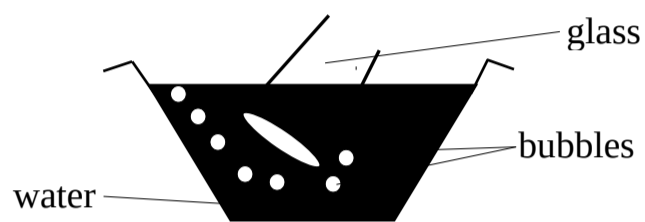
6. _____
State the use of the garden tool above.

7. _____
Suggest one danger of walking bare feet in dirty places.

8. _____
Name the part of air that enables fire to keep burning.

9. _____
Name the class of food required to give the body energy.

10. _____
State one way of promoting cleanliness in a classroom.
11. _____
Give any one quality of a good crop store.
12. _____
How are spiracles useful to an insect?
13. _____
Suggest one way of caring for sheep kept at home.
14. _____
State one use of roots to plants.
15. _____
How does bathing promote personal hygiene?
16. _____
State the property of air illustrated below.



17. _____
Name any one agent of pollination.
18. _____
Give any one cause of injuries to children.
19. _____
State one health problem that results from lack of proteins in the body.
20. _____
Why is a housefly called a vector?
21. _____
Give one activity that can be done on a health parade.
22. _____
How is a fire extinguisher useful in a school?
23. _____
How do people use umbrellas to manage weather conditions?

The diagram below shows a human sense organ. Use it to answer questions **24** and **25**.



24. _____
Name the sense organ in the diagram.
25. _____
Which sense is the organ in the diagram responsible for?
26. _____
State one importance of swamps to people.
27. _____
In which way can young children be protected from infant killer diseases?
28. _____
Give one use of nimbus clouds.
29. _____
How do plants benefit from bees visiting them?
30. _____
Lungs are to people as _____ are to fish.

31. Name one item found in a first aid box.

32. State one use of plants to people.

33. Mention any one example of waste product from the human body.

34. Name the instrument used to measure room temperature.

35. Give any one example of an annual crop.

36. Give one reason why plants with weak stems climb others.

37. Name one artificial thing in the environment.

38. Suggest one way of protecting our food from germs?

39. Identify the type of tooth drawn below.



40. How is the skull important in the human body?

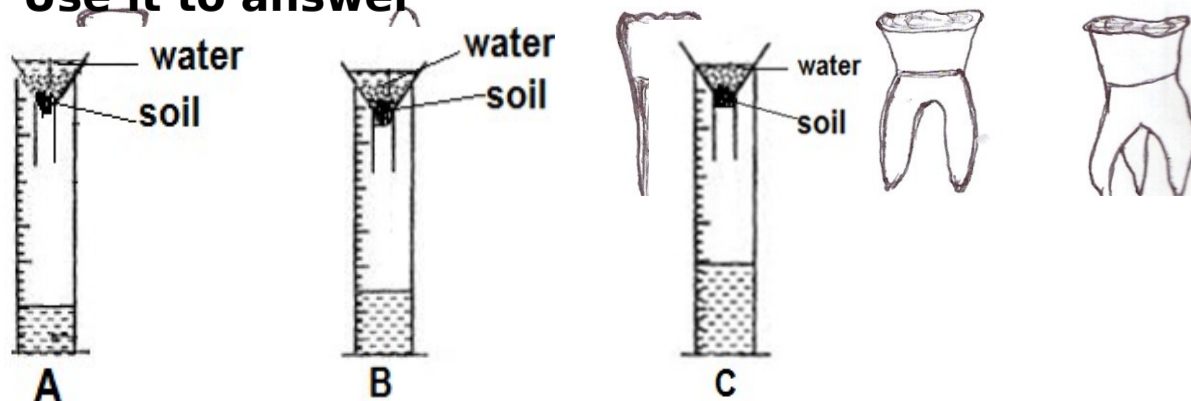
SECTION B

41. a) What is seed dispersal?

- b) Give any two agents of seed dispersal.
i) _____ ii) _____
- c) State one advantage of seed dispersal.

42. a) Name any two examples of garden tools.
i) _____ ii) _____
- b) State any two proper ways of caring for garden tools.
i) _____
ii) _____
43. a) State any two reasons for eating food.
i) _____
ii) _____
- b) Mention the food value we get from
i) Sweet potatoes _____
ii) Avocados _____

44. **The diagram below shows an experiment about the types of soil. Use it to answer**



a) Identify the type of soil in funnels B and C

B _____

C _____

b) Why is there less water in tin A than in tin B?

c) Give one characteristic of the type of soil funnel C.

45. Below are the components of the environment. Give one importance of each.

i) Sun _____

ii) Wind _____

iii) Soil _____

iv) Lakes _____

46. **Match correctly**

Vector

Disease

Water snail - sleeping sickness

Anopheles mosquito - malaria

Housefly - bilharzias

Tsetsefly - trachoma

Water snail _____

Anopheles mosquito _____

Housefly _____

Tsetsefly _____

47. a) Mention any two items you need to keep your body clean.

i) _____ ii) _____

b) State any two ways how you can keep the body clean.

i) _____

ii) _____

48. a) List down any two examples of communicable diseases.

i) _____ ii) _____

b) State any two ways how communicable diseases are spread.

i) _____

ii) _____

49. a) Mention two items you need to promote the health of your teeth.

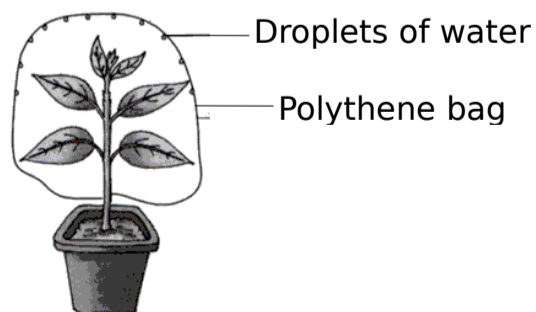
i) _____

ii) _____

b) What do we call the first set of teeth children develop?

c) State any one likely cause of teeth disorders.

50. Use the diagram below to answer the given question.



a) What process in plants is shown in the diagram above?

b) Give two factors that affect the process above.

i) _____ ii) _____

c) State one way plants control the above.

51. a) Name two examples of pests that attack stored crops.
i) _____ ii) _____
- b) Suggest two ways of controlling pests in the garden.
i) _____
ii) _____
52. Circle the childhood immunisable diseases from the list below.
Diphtheria Polio Pertusis Scabies
Diarrhoea Tuberculosis
53. a) Name the breathing part of an insect.

- b) Give any two examples of useful insects.
i) _____ ii) _____
- c) Mention one example of a harmful insect.

54. Outline any four elements of weather.
i) _____ ii) _____
iii) _____ iv) _____
55. a) What is sanitation?

- b) Give any two ways how a P.4 pupil can promote sanitation.
i) _____
ii) _____
- c) Suggest any one material used to promote sanitation.
