



# HORMISDALLEN SCHOOLS

## RECESS PACKAGE - 2020

### P.6 INTERGRATED SCIENCE

#### Project work

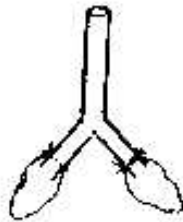
Understanding what happens to some respiratory organs during exhalation (breathing out) and inhalation (breathing in).

#### Materials needed

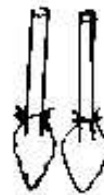
- Container/plastic bottle
- Plastic tubes (straws)
- Balloons (two of the same size)
- Polythene bg

#### Procedure

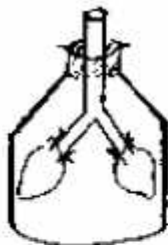
1. Tie the two balloons on the tubes or straws as shown below.



OR



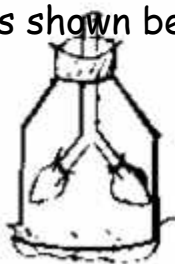
2. Fit/fix the tubes or straws with balloons in the container as shown below.



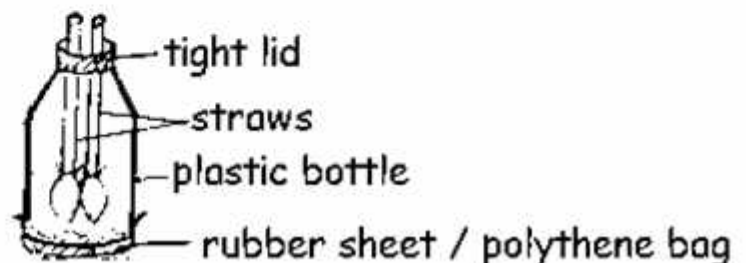
OR



3. Then tie the polythene bag or rubber sheet at the bottom of the container as shown below.



OR



4. Carry the container to school on the opening day.

## P.6 SCIENCE (SET ONE)

### Section A

1. Name the state of matter which has compact molecules.  

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2. State one way in which transpiration is important to plants.  

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3. How does bush fallowing promote soil fertility?  

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4. Suggest one way of promoting seed viability.  

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5. Point out one storage pest apart from rats.  

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6. How do some flowers benefit from having brightly coloured petals?  

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7. Identify the human body organ with similar function to that of the lateral line to a fish.  

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8. Mention one plant whose seeds are dispersed by wind.  

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9. In which way does draining of still water control the spread of malaria?  

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10. State the functional difference between a vein and an artery.  

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11. How do tanning industries benefit from abattoirs?  

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12. Point out one activity involved in cleaning dirty clothes at home.  

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13. Give one reason for grouping coffee and cocoa plants under perennial crops.  

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14. Mention one traditional way of making water safe for drinking.  

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15. Polio vaccine and BCG vaccine are administered to babies at birth. Why?  

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16. Suggest one way of controlling venereal diseases among farm animals.  

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17. Identify the germs which affect the blood cell shown in the diagram below.



18. Name the vector which spreads the germs mentioned above.

19. How is the work of gills in tadpoles similar to that of human lungs?

20. State one danger of walking bare footed in wet dirty places.

21. In the space below, draw a bi-pinnate leaf.

22. Point out one characteristic of wind pollinated flowers.

23. Of what value is the farm tool below to a dairy farmer?



24. Name the body organ responsible for memory.

25. Mention one cattle disease caused by a virus.

26. Mention the part of the respiratory system made of rings of cartilage.

27. Give a reason to why the above mentioned part is made of rings of cartilage.

28. State the role of the kidneys in the human body.

29. Why is frog said to be a cold blood vertebrate?

30. Which food value is obtained from eating honey?

31. Point out one drug commonly abused by the youth in your community.

32. What is "alcoholism".

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33. Why does paraffin settle on top when mixed with water?

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34. Mention the type of energy possessed by a book on the teacher's table.

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35. How is the skin of a fish protected from physical damage?

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36. Give one advantage of having flowering plants near an apiary.

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37. Define the term thinning.

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38. State one danger of smoking to the family.

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39. Give the importance of having fire extinguishers in a school.

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40. Mention one process involved in a water cycle.

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### **Section B**

41. (a) What are water borne diseases?

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(b) Write down two examples of water borne diseases.

i) \_\_\_\_\_ ii) \_\_\_\_\_

(c) How best can the diseases mentioned above be prevented?

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42. (a) State one danger of smoking to pregnant women.

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(b) Mention two human body organs commonly affected by tobacco smoking.

i) \_\_\_\_\_ ii) \_\_\_\_\_

(c) State the difference between drug abuse and drug misuse.

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43. (a) Give the importance of the following components of ORS.

- i) sugar \_\_\_\_\_  
ii) salt \_\_\_\_\_

(b) Write 3Ds in full.

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(c) Write down one cause of dehydration.

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44. (a) What term is used to describe the directions given by the doctor to his patient on how to use the given drug?

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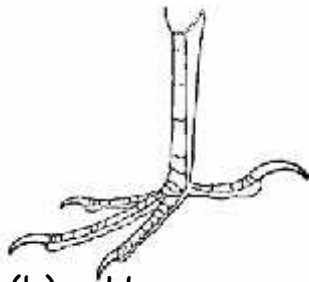
(b) Point out two characteristics of essential drugs.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

(c) Give a reason for keeping drugs out of reach of small children.

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45. Below is a foot of a certain bird. Use it to answer questions that follow.



(a) To which group of birds does such a bird belong?

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(b) How are such birds adapted to their mode of feeding?

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(c) Give two examples of birds with such a foot.

- i) \_\_\_\_\_ ii) \_\_\_\_\_

46. (a) Plants and soil are renewable resources in the environment. Give a reason to support this statement.

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(b) How are plants and soil replaced in the environment?

- i) plants \_\_\_\_\_  
ii) soil \_\_\_\_\_

(c) State one way in which wind is a resource.

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47. (a) Suggest one way farmers can control the problems below in their gardens.

i) crop pests \_\_\_\_\_

ii) soil erosion \_\_\_\_\_

(b) Point out one farming practice which promotes soil fertility.

(c) On what values are insects like bees and moths to crop farmers?

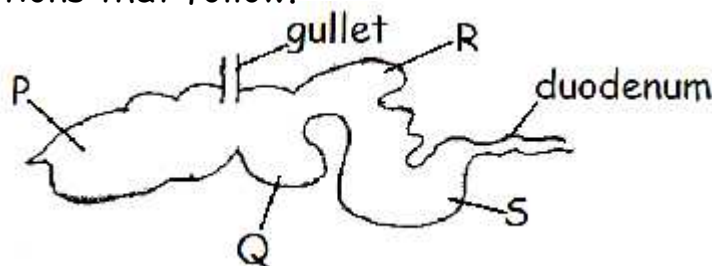
48. (a) Mention two diseases which are spread through 4Fs germ path.

i) \_\_\_\_\_ ii) \_\_\_\_\_

(b) Why are people recommended to wash their hands with clean water and soap after visiting the latrine?

(c) Identify the water borne disease that affects the human liver.

49. The diagram below is part of the digestive system of a bull. Use it to answer questions that follow.



(a) What term is used to describe animals with such a digestive system?

(b) Name the chambers marked;

P \_\_\_\_\_ ii) \_\_\_\_\_

(c) Explain what happens to food in chamber Q during digestion?

50. (a) Identify the part of air used for respiration in animals.

(b) Write down two adaptations of alveoli to their function.

i) \_\_\_\_\_

ii) \_\_\_\_\_

(c) How are the human lungs protected from physical damage?

51. (a) What is body immunity?

(b) Mention two ways a child can acquire natural immunity.

i) \_\_\_\_\_

ii) \_\_\_\_\_

(c) Identify the diseases that weakens one's body immunity.

\_\_\_\_\_

52. Complete the table below correctly.

Group of vertebrates	Example
(i) Amphibian	_____
(ii) _____	Snail
(iii) Mammal	_____
(iv) _____	cobra

53. (a) State the purpose of carrying out the following practices in poultry keeping.

i) Debeaking \_\_\_\_\_

ii) Candling \_\_\_\_\_

(b) Give one advantage of keeping local breeds of poultry over exotic ones. \_\_\_\_\_

(c) Point out one problem associated with free range system of poultry keeping.

\_\_\_\_\_

54. (a) Suggest two ways of reproducing stored sound.

i) \_\_\_\_\_

ii) \_\_\_\_\_

(b) What role is played by the ossicles in the hearing process?

\_\_\_\_\_

(d) Identify the part of the human ear which helps to balance body posture.

\_\_\_\_\_

55. (a) Name the breed of goats kept for the production of mo-hair.

\_\_\_\_\_

(b) Give two examples of dairy breeds of goats in Uganda.

i) \_\_\_\_\_ ii) \_\_\_\_\_

(c) Identify the disease that attacks both goats and the farmer.

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