



TARGETER WINGS

MONITORING LEARNER'S PROGRESS

GRADE 5 - 2025

Wings
005

INTEGRATED SCIENCE

TIME: 1hr 40 mins

SCIENCE AND TECHNOLOGY

1. Grade 5 learners were presented with the picture below that symbolised characteristic of plants.



Which characteristic of plants is shown above?

- A. Plants feed.
 - B. Plants grow.
 - C. Plants remove waste.
 - D. Plants respond to changes in the environment.
2. Which of the following is a non-flowering plant?
- A. Tomato
 - B. Cactus
 - C. Moss
 - D. Banana
3. Grade 5 learners had a lesson on parts and functions of flowers. They were presented with a flower shown below.



Identify the male part of the flower.

- A. C
 - B. H
 - C. D
 - D. E
4. Identify the part marked G.
- A. Sepal
 - B. Ovary
 - C. Stigma
 - D. Petal
5. Study the animal below.



Which animal belongs to the same group with the animal shown above?

- A. Lizard
- B. Newt
- C. Toad
- D. Bat

6. During a Science walk learners saw the animal below. The teacher used the animal to explain a key feature.



Identify the group the animal above is found in.

- A. Birds
 - B. Mammals
 - C. Amphibians
 - D. Reptiles
7. Which part of the breathing system is also called the windpipe?
- A. Diaphragm
 - B. Nose
 - C. Trachea
 - D. Lungs
8. Which of the following digital devices would not be used in taking photographs of animals?
- A. Tablets
 - B. Stopwatch
 - C. Camera
 - D. Phone
9. Which part of the breathing system is made open by C-shaped rings of cartilage?
- A. Diaphragm
 - B. Lungs
 - C. Nose
 - D. Trachea
10. Grade 5 learners were asked to give examples of mammals that live in water. Who among them gave a wrong answer?
- A. David → Shark
 - B. Napthali → Seal
 - C. Benter → Dolphin
 - D. Joyce → Whale
11. Dorcas accidentally mixed rice and beans. Which was the best method to use to separate the mixture?
- A. Winnowing
 - B. Picking
 - C. Sieving
 - D. Filtering

TW - 005

INTEGRATED SCIENCE GRADE 5

12. Emily and her group listed the following as examples of heterogenous mixtures. Which one was **wrong**?

- A. Rice and water B. Milk and kerosene
C. Sand and salt D. Sugar and water

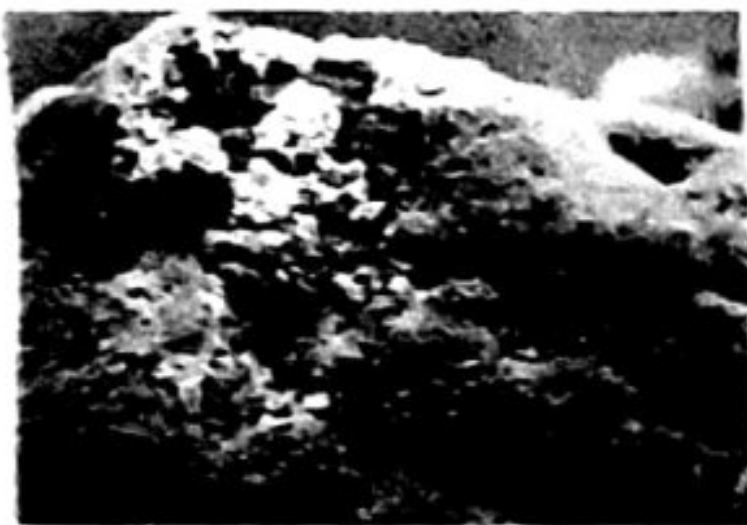
13. Grade 4 learners collected the following materials.

- i) Water
ii) String
iii) Two small stones of same size.
iv) Glass bottle.

What were they intending to investigate?

- A. If liquids have volume.
B. If solids have mass.
C. If liquids have shape.
D. If solids have volume.

14. The diagram below shows a picture of a certain plant. What is its name?



- A. Liverworts B. Moss
C. Fern D. Pine

15. Which of the following shows a pair of miscible liquids that form homogeneous mixture?

- A. Water and kerosene
B. Water and cooking oil
C. Cooking oil and kerosene
D. Fresh milk and petrol

16. The following are some characteristics of certain animals.

- i) Breathe through the lungs.
ii) Have gills when young and later lungs for breathing.
iii) Body covered with moist skin without scales.
iv) Lays eggs.

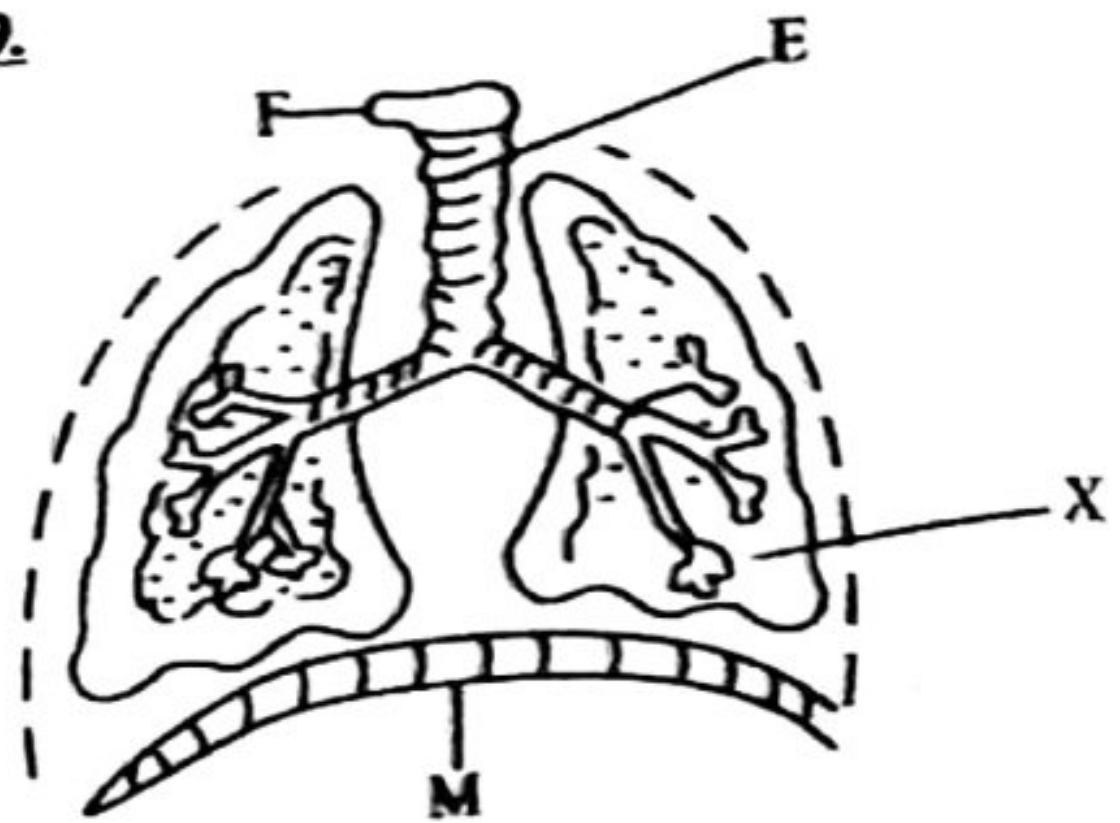
Which one of the following pairs of animals has all the above characteristics?

- A. Newt and salamander
B. Lizard and tortoise
C. Toad and tortoise
D. Frog and tilapia

17. Which of the following is a common disease of the breathing system?

- A. Asthma B. Malaria
C. Cholera D. Ringworm

The diagram below shows parts of the human breathing system. Use it to answer questions 18 and 19.



18. Which of the labelled parts helps in exchange of gases?

- A. M B. F
C. E D. X

19. In which two of the labelled parts does cleaning of air take place?

- A. F and X B. E and F
C. M and X D. E and X

20. Which of the following is **not** a characteristic of a fish?

- A. They have scales on the body.
B. They lay eggs.
C. Breathe through gills when young and lungs when adult.
D. They have fins that help in movement.

21. Which one does **not** show a way of reducing friction?

- A. Oiling moving parts.
B. Roughening surfaces.
C. Using ball bearings.
D. Using rollers.

22. During class discussion Grade 4 learners stated the following as effects of force. Which one was **not** true?

- A. Holds objects together.
B. Changes shape of an object.
C. Decreases speed of a moving object.
D. Changes mass of an object.

23. Which part of a flower attracts insects for pollination?

- A. Sepal B. Ovary
C. Stigma D. Petals

24. Which one of the following is **not** a safety measure to observe when handling plants?
- Using forceps to handle the plants.
 - Not tasting or smelling any plant.
 - Wearing gumboots to protect the feet.
 - Wearing gloves to protect the eyes.

25. Which one is **not** an example of amphibian?
- Turtle
 - Toad
 - Newt
 - Frog

AGRICULTURE

26. Identify waste that should be used in an organic waste pit.

- Broken glass.
- Waste polythene papers.
- Waste plastic bottles.
- Waste dry leaves.

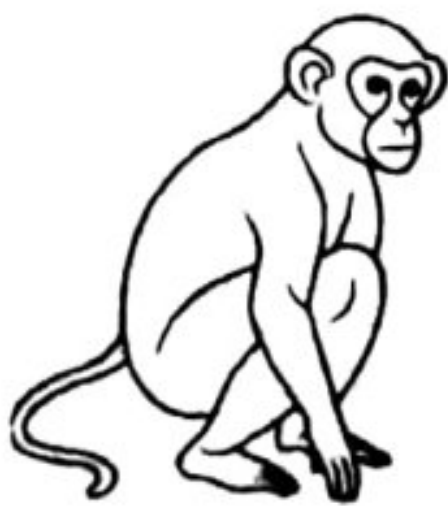
27. The diagram below shows a practice carried out by grade 5 learners in their school farm.



The picture shown above represents

- mulching
- cover cropping
- shading
- gapping

28. Learners identified the small wild animal below in the farm. They wanted to control it so as to keep it away from the farm.



Which is the **best** way to keep the wild animal away?

- Using smoke.
- Stoning it.
- Giving it poisonous food.
- Using a pear.

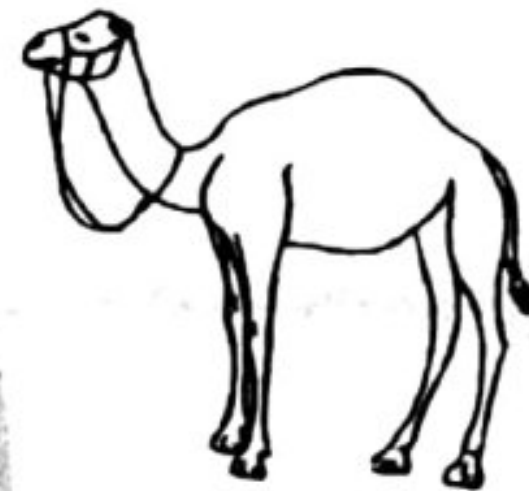
29. Grade 5 learners made the item below during a practice.



Identify the type of nursery bed they made.

- Container nursery garden.
- Ground nursery garden.
- Sunken nursery garden.
- Flat nursery garden.

30. Identify the domestic animal in the diagram below.



- Bull
- Camel
- Donkey
- Goat

31. What is the importance of the domestic animal shown above?

- Gives us skin
- Gives us wool
- Gives us mutton
- Gives us milk

32. To prevent anaemia, a person should eat

- food rich in iron.
- enough food.
- food rich in proteins.
- food with enough iodine.

33. Which of the following is a leafy vegetable?

- Carrot
- Kales
- Tomato
- Arrow root

34. Learners were asked to mulch plants in the farm. Which material did they use for mulching?

- Plastic papers
- Dry grass
- Old clothes
- Sacks

35. Which one is **not** a domestic animal?

- Bee
- Hare
- Fish
- Donkey

36. A farmer wants to practise cover cropping to help him conserve water in his garden. She can plant the following as cover crops **except**

- A. cowpeas B. sweet potatoes
- C. sorghum D. pumpkin

37. Which of the crops given below is **not** a vegetable?

- A. Carrots B. Tomato
- C. Kales D. French beans

38. Olivia wants to cook chapati for her visit. Which method of cooking food can she use when cooking the chapati?

- A. Boiling B. Deep frying
- C. Shallow frying D. Dry fat frying

39. Which type of soil is the **best** for planting vegetables?

- A. Clay B. Loam
- C. Sand D. Silt

40. During a digital literacy lesson learners came across the food shown below.



What is the importance of the above food to the body?

- A. Protecting the body against diseases.
- B. Fight bad infections.
- C. Building the body.
- D. Giving energy to the body.

41. During a group discussion learners came across the picture shown below of a child suffering from a nutritional disease.



What was the child suffering from?

- A. Anaemia B. Marasmus
- C. Goitre D. Kwashiorkor

42. Maria was asked to prepare mandazi to be eaten for breakfast the following morning. Which method of cooking did she use?

- A. Deep frying B. Shallow frying
- C. Boiling D. Dry fat frying

43. The process of removing excess overcrowded seedlings in a nursery bed is called

- A. gapping B. thinning
- C. mulching D. weeding

44. Which of the following foods can be cooked by deep frying method?

- A. Tea B. Cassava
- C. Beans D. Beans

45. Which of the following are examples of fruit trees. Which one has wood that does not require supporting?

- A. Kiwano B. Berries
- C. Guava D. Passion fruit

46. Grade 5 learners want to transplant vegetable seedlings from a nursery bed. Which is the **best** tool to use?

- A. Slasher B. Jembe
- C. Shovel D. Trowel

47. Grade 4 learners were asked to come up with a balanced diet meal. They chose the following foods.

Ugali + Chicken + Meat

Which nutrient was their meal lacking to be called a balanced diet?

- A. Proteins B. Carbohydrates
- C. Vitamins D. Minerals

48. Which of the following small wild animals does **not** damage crops in the farm?

- A. Mongoose B. Squirrel
- C. Monkey D. Bird

49. Name the cleaning equipment.



- A. Broom B. Mop
- C. Dustpan D. Duster

50. The following are fuels used at home. Which one is **not**?

- A. Gas B. Water
- C. Charcoal D. Firewood