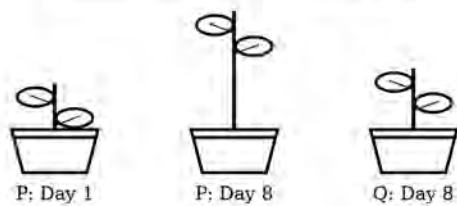


Seedlings watered and kept in light

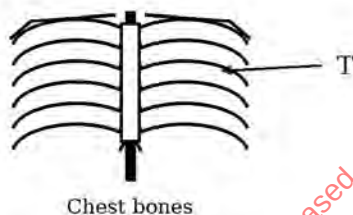


1. Learners kept two similar seedlings under the conditions shown for several days. Which characteristic of living things was shown by the increase in the height of seedling P?

- A. Excretion.
- B. Growth.
- C. Respiration.
- D. Reproduction.

2. A learner found a fern bearing small spore cases beneath its leaves. In which group should the fern be placed?

- A. Animals.
- B. Flowering plants.
- C. Fungi.
- D. Non-flowering plants.



3. The drawing shows part of the human skeleton. What is the main function of the bones marked T?

- A. Protecting the brain.
- B. Protecting the heart and lungs.
- C. Joining the foot to the leg.
- D. Supporting the fingers.

4. Nali heard a bicycle bell behind her and moved aside. Which sense organ detected the warning?

- A. Ear.
- B. Nose.
- C. Eye.
- D. Tongue.

5. During an investigation, learners used a pump to represent the heart. Which action of the pump represents the work of the heart?

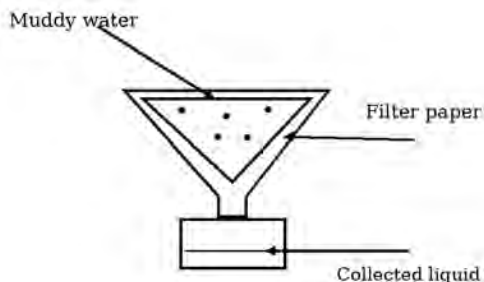
- A. Breaking solid food into pieces.
- B. Removing dust from air.
- C. Pushing liquid through tubes.
- D. Supporting the shape of the body.

6. Fungi grew on fallen leaves, and the leaves gradually broke down. How did the fungi help the environment?

- A. They stopped all plants from growing.
- B. They decomposed dead plant material.
- C. They prevented nutrients from returning to soil.
- D. They changed the leaves into plastic.

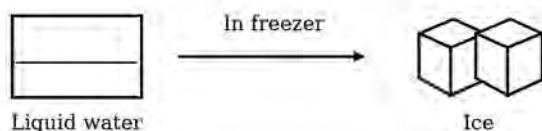
7. Learners recorded four features of animals: (i) body covered with hair; (ii) body covered with feathers; (iii) young fed on milk; (iv) breathing through gills. Which pair identifies mammals?

- A. (i) and (iii).
- B. (i) and (iv).
- C. (ii) and (iv).
- D. (ii) and (iii).



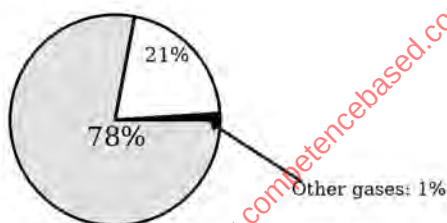
8. Learners poured muddy water through the set-up shown. Which material is mainly trapped by the filter paper?

- A. Dissolved sugar.
- B. Dissolved salt.
- C. Insoluble soil particles.
- D. All disease-causing organisms.



9. Water was placed in a freezer and changed as shown. What is the name of the change?

- A. Condensing.
- B. Boiling.
- C. Freezing.
- D. Evaporating.



10. Learners represented the composition of clean, dry air using the chart. Which gas is represented by the largest sector?

- A. Nitrogen.
- B. Carbon dioxide.
- C. Hydrogen.
- D. Oxygen.

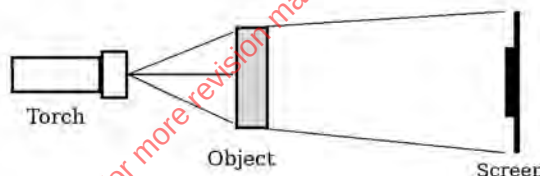
11. A school tap continued dripping after use. Which action would best reduce this loss of water?

- A. Open it fully after every lesson.
- B. Place an uncovered cup beneath it and leave it.
- C. Leave the water to flow into the drain.
- D. Report the faulty tap so that it can be repaired.

Group	Mixture
Q	Water and gravel
R	Water and a little sugar
S	Water and sawdust
T	Water and sand

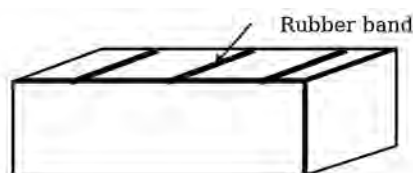
12. Four groups prepared the mixtures in the table. Which group made a mixture in which the added substance dissolved completely?

- A. Group Q.
- B. Group S.
- C. Group T.
- D. Group R.



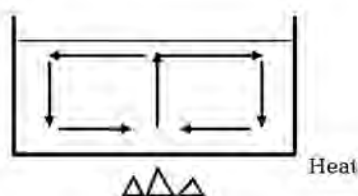
13. The set-up shows an object between a torch and a screen. A dark shadow forms on the screen. Which property of the object causes the shadow?

- A. It changes light into water.
- B. It blocks the passage of light.
- C. It allows all light to pass through.
- D. It produces its own light.



14. Learners plucked the rubber band shown. It made a sound. What happened to the rubber band as the sound was produced?

- A. It became magnetic.
- B. It dissolved.
- C. It vibrated.
- D. It melted.

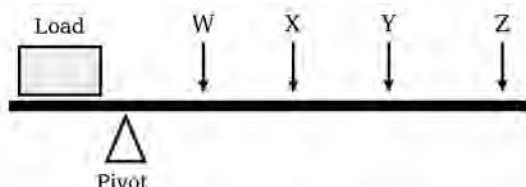


15. The arrows show the movement of water in a heated container. What mainly carries heat through the water?

- A. Sound waves.
- B. Convection currents.
- C. Magnetic attraction.
- D. Reflected light.

16. Beka pressed a lump of modelling clay into a flat disc. Which effect of force did he demonstrate?

- A. Changing an object into a gas.
- B. Producing light in an object.
- C. Changing the shape of an object.
- D. Removing the mass of an object.



17. A heavy load is placed near the pivot of the lever shown. At which marked point should the downward effort be applied to lift the load most easily?

- A. Point Z.
- B. Point W.
- C. Point X.
- D. Point Y.

18. A learner let go of a small stone above a tray. The stone fell into the tray because of

- A. electrical force.
- B. muscular force from the tray.
- C. gravitational force.
- D. magnetic force from the air.

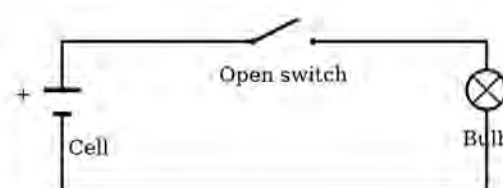
19. A caretaker moved a heavy box by placing it on a trolley. Why was it easier to move the box?

- A. The box lost all its weight.
- B. The wheels removed gravity.
- C. The floor became steeper.
- D. The wheels reduced friction with the floor.

Object	Result
Cork	Floated
Steel washer	Sank
Clay ball	Sank
Sealed empty plastic bottle	Floated
Stone	Sank

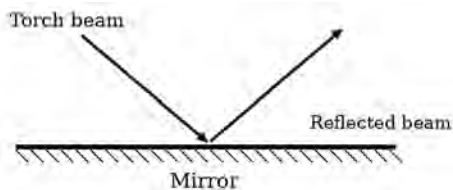
20. Learners recorded the results shown after placing objects in water. Which object had the same result as the cork?

- A. The sealed empty plastic bottle.
- B. The steel washer.
- C. The clay ball.
- D. The stone.



21. The bulb in the circuit did not light. The cell and bulb were working. Which action would complete the circuit?

- A. Close the switch.
- B. Remove one wire.
- C. Cover the bulb with paper.
- D. Turn the cell upside down without reconnecting it.



22. A beam from a torch strikes the mirror as shown. What happens at the mirror?

- A. The light is reflected.
- B. The light becomes magnetic.
- C. The mirror produces the torch beam.
- D. The light becomes sound.

23. A learner used a magnet to sort four materials. Which material would be attracted strongly?

- A. A rubber stopper.
- B. A copper wire.
- C. An iron paper clip.
- D. An aluminium lid.

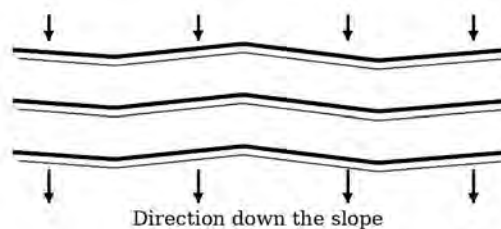
24. Droplets appeared on the outside of a dry, cold bottle. Which explanation is correct?

- A. The bottle changed into liquid water.
- B. Water vapour in the surrounding air cooled and condensed.
- C. The surrounding air froze into a solid.
- D. Water passed through the solid wall of the bottle.

25. A worker is about to sand a wooden surface. Which item protects the breathing system from the dust produced?

- A. A wristwatch.
- B. A cotton belt.
- C. A suitable dust mask.
- D. An ankle guard.

Use the drawing to answer questions 26 and 27.



26. The ridges in the drawing follow lines across a slope. Which soil conservation practice is shown?

- A. Ploughing straight downhill.
- B. Contour ridging.
- C. Removing all vegetation.
- D. Burning crop remains.

27. How do the ridges in the drawing help conserve soil?

- A. They expose all the soil to wind.
- B. They slow down runoff flowing down the slope.
- C. They increase the speed of runoff.
- D. They remove roots from the soil.

28. Seedlings were crowded together in a nursery. Why should the extra seedlings be thinned out?

- A. To prevent every seedling from receiving light.
- B. To make the remaining plants compete more.
- C. To remove all healthy plants from the nursery.
- D. To reduce competition for water, nutrients and light.

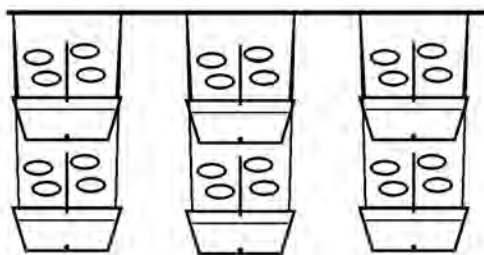
29. Dry plant material was spread around growing tomato plants without covering their stems. What is the main purpose of the material?

- A. Increasing evaporation from the soil.
- B. Replacing the need for all plant nutrients.
- C. Preventing rain from ever entering the soil.
- D. Reducing loss of water from the soil.

30. Before transplanting seedlings, learners gradually reduced shade over the nursery. What was the purpose?

- A. To keep the seedlings permanently in the nursery.
- B. To prepare seedlings for conditions in the field.
- C. To make the roots stop growing.
- D. To prevent the plants from forming leaves.

Use the drawing to answer questions 31 and 32.



31. The drawing shows vegetables growing in reused containers hung in rows. Which advantage does this arrangement offer?

- A. It removes the need to water the crops.
- B. It allows crops to be grown where ground space is limited.
- C. It allows plants to grow without soil or another medium.
- D. It prevents all crop pests.

32. Why should each container have small holes at its lowest point?

- A. To prevent air from reaching the roots.
- B. To allow excess water to drain out.
- C. To keep all water trapped around the roots.
- D. To let all the soil fall out.

33. A rabbit keeper noticed that the drinking container was empty. What should the keeper do first?

- A. Wait until the rabbit stops eating.
- B. Refill it with clean drinking water.
- C. Remove the container permanently.
- D. Fill it with muddy water.

34. A rabbit hutch has damp bedding mixed with droppings. Which practice would improve hygiene?

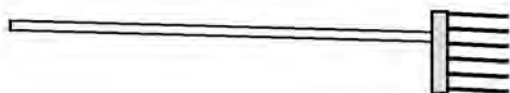
- A. Remove the soiled bedding and replace it with clean, dry bedding.
- B. Keep the feed directly on the dirty bedding.
- C. Add more damp material without cleaning.
- D. Close every ventilation opening.

35. Learners collected manure from a goat pen. How could the manure be used after it has decomposed properly?

- A. To cover the leaves of young vegetables.
- B. To block the drainage holes in pots.
- C. To replace drinking water for goats.
- D. To add nutrients to the vegetable garden.

36. A family wants to harvest leafy vegetables and keep the plants producing more leaves. Which practice is suitable?

- A. Pick mature outer leaves carefully and leave the growing centre.
- B. Cut away all the roots.
- C. Remove only the youngest central leaves each time.
- D. Pull out every plant before selecting leaves.



37. Which task is the tool in the drawing best suited for?

- A. Cutting thick tree branches.
- B. Spraying crops with water.
- C. Carrying water to a nursery.
- D. Levelling loose soil on a seedbed.

38. A learner found that the handle of a garden fork was loose. What is the safest action?

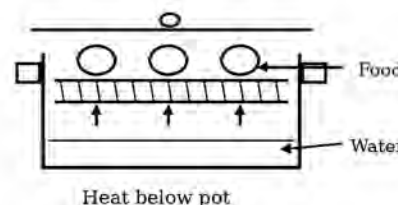
- A. Set the tool aside and report it for repair before use.
- B. Hold only the sharp metal points.
- C. Give it to a younger learner to use.
- D. Use it quickly before the handle falls off.

39. Which lunch provides energy-giving, body-building and protective foods?

- A. Rice, lentil stew and guava.
- B. Rice, cassava and sweetened tea.
- C. Bread, chapati and plain porridge.
- D. Potatoes, rice and boiled cassava.

40. Vegetables were spread on a clean raised drying rack. Why should a clean mesh cover be placed over them?

- A. To stop sunlight reaching the drying area completely.
- B. To make the vegetables wet again.
- C. To keep flies and dirt off while allowing air to pass.
- D. To prevent all moisture from escaping.



41. The cooking arrangement is shown below. Which method is being used to cook the food in the basket?

- A. Deep frying.
- B. Grilling.
- C. Roasting.
- D. Steaming.

42. A pot of beans is cooking on a stove. Which action would help use fuel efficiently while cooking continues?

- A. Open the lid after every few seconds.
- B. Use a flame that extends far beyond the pot.
- C. Keep the pot uncovered throughout.
- D. Cover the pot with a suitable lid.

43. A learner listed these steps for preparing a fruit snack: (i) wash the whole fruit; (ii) wash the hands; (iii) slice the fruit using a clean knife and board; (iv) serve it on a clean plate. What is the correct order?

- A. (iii), (ii), (i), (iv).
- B. (i), (iii), (iv), (ii).
- C. (ii), (i), (iii), (iv).
- D. (iv), (i), (ii), (iii).

Shop	Price of one bar
K	KSh 96
L	KSh 89
M	KSh 83
N	KSh 92

44. Four shops sell the same brand and size of an unopened soap bar. Using the table, which shop offers the lowest price?

- A. Shop L.
- B. Shop K.
- C. Shop M.
- D. Shop N.

45. A learner is choosing everyday clothing for hot weather. Which fabric is most suitable?

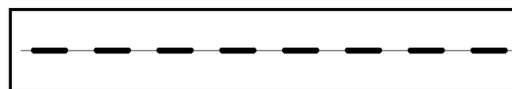
- A. Heavy leather.
- B. Thick padded fabric.
- C. Light cotton fabric.
- D. Thick woollen fabric.

46. A newly bought coloured cloth may release dye during its first wash. What should be done to protect white clothes?

- A. Wrap white clothes inside it when wet.
- B. Wash the coloured cloth separately.
- C. Soak it together with white clothes.
- D. Dry it while resting on wet white clothes.

47. A woollen scarf has instructions to wash gently in cool water. Which action follows these instructions?

- A. Scrub it firmly with a stiff brush in hot water.
- B. Boil it for a long time.
- C. Twist it forcefully until very tight.
- D. Press it gently in cool water without hard rubbing.



48. The drawing shows small stitches separated by spaces along a seam. Which stitch is shown?

- A. Running stitch.
- B. Cross stitch.
- C. Blanket stitch.
- D. Satin stitch.

49. A button has come off a school shirt. Which pair of items is required to sew it back on?

- A. A needle and suitable thread.
- B. A paintbrush and polish.
- C. A ruler and chalk only.
- D. A crochet hook and thick cord.

50. After mopping a corridor, learners noticed that the floor was still wet. What should they do to prevent falls?

- A. Invite classmates to run across it.
- B. Remove the warning sign immediately.
- C. Spread soap over the wet floor.
- D. Keep people away from the wet section until it dries.

END OF QUESTION PAPER

2026 KPSEA Integrated Science Answer Sheet

Assessment number _____

Name _____

School _____

Subject Integrated Science

Shade ONE circle for each question using an HB pencil.

- | | | | | | | | | | |
|----|-------------------------|-------------------------|-------------------------|-------------------------|----|-------------------------|-------------------------|-------------------------|-------------------------|
| 1 | ☐ A | ☐ B | ☐ C | ☐ D | 26 | ☐ A | ☐ B | ☐ C | ☐ D |
| 2 | ☐ A | ☐ B | ☐ C | ☐ D | 27 | ☐ A | ☐ B | ☐ C | ☐ D |
| 3 | ☐ A | ☐ B | ☐ C | ☐ D | 28 | ☐ A | ☐ B | ☐ C | ☐ D |
| 4 | ☐ A | ☐ B | ☐ C | ☐ D | 29 | ☐ A | ☐ B | ☐ C | ☐ D |
| 5 | ☐ A | ☐ B | ☐ C | ☐ D | 30 | ☐ A | ☐ B | ☐ C | ☐ D |
| 6 | ☐ A | ☐ B | ☐ C | ☐ D | 31 | ☐ A | ☐ B | ☐ C | ☐ D |
| 7 | ☐ A | ☐ B | ☐ C | ☐ D | 32 | ☐ A | ☐ B | ☐ C | ☐ D |
| 8 | ☐ A | ☐ B | ☐ C | ☐ D | 33 | ☐ A | ☐ B | ☐ C | ☐ D |
| 9 | ☐ A | ☐ B | ☐ C | ☐ D | 34 | ☐ A | ☐ B | ☐ C | ☐ D |
| 10 | ☐ A | ☐ B | ☐ C | ☐ D | 35 | ☐ A | ☐ B | ☐ C | ☐ D |
| 11 | ☐ A | ☐ B | ☐ C | ☐ D | 36 | ☐ A | ☐ B | ☐ C | ☐ D |
| 12 | ☐ A | ☐ B | ☐ C | ☐ D | 37 | ☐ A | ☐ B | ☐ C | ☐ D |
| 13 | ☐ A | ☐ B | ☐ C | ☐ D | 38 | ☐ A | ☐ B | ☐ C | ☐ D |
| 14 | ☐ A | ☐ B | ☐ C | ☐ D | 39 | ☐ A | ☐ B | ☐ C | ☐ D |
| 15 | ☐ A | ☐ B | ☐ C | ☐ D | 40 | ☐ A | ☐ B | ☐ C | ☐ D |
| 16 | ☐ A | ☐ B | ☐ C | ☐ D | 41 | ☐ A | ☐ B | ☐ C | ☐ D |
| 17 | ☐ A | ☐ B | ☐ C | ☐ D | 42 | ☐ A | ☐ B | ☐ C | ☐ D |
| 18 | ☐ A | ☐ B | ☐ C | ☐ D | 43 | ☐ A | ☐ B | ☐ C | ☐ D |
| 19 | ☐ A | ☐ B | ☐ C | ☐ D | 44 | ☐ A | ☐ B | ☐ C | ☐ D |
| 20 | ☐ A | ☐ B | ☐ C | ☐ D | 45 | ☐ A | ☐ B | ☐ C | ☐ D |
| 21 | ☐ A | ☐ B | ☐ C | ☐ D | 46 | ☐ A | ☐ B | ☐ C | ☐ D |
| 22 | ☐ A | ☐ B | ☐ C | ☐ D | 47 | ☐ A | ☐ B | ☐ C | ☐ D |
| 23 | ☐ A | ☐ B | ☐ C | ☐ D | 48 | ☐ A | ☐ B | ☐ C | ☐ D |
| 24 | ☐ A | ☐ B | ☐ C | ☐ D | 49 | ☐ A | ☐ B | ☐ C | ☐ D |
| 25 | ☐ A | ☐ B | ☐ C | ☐ D | 50 | ☐ A | ☐ B | ☐ C | ☐ D |