

READ THESE INSTRUCTIONS CAREFULLY.

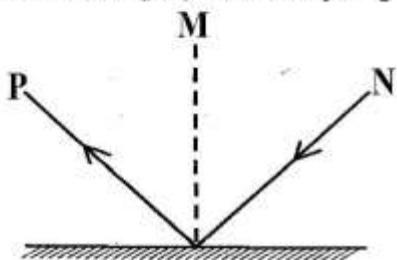
Time: 2hrs 15mins

SCIENCE & TECHNOLOGY

1. Ahmed uses first class levers to do work. He uses the following **except**

- A. a pair of scissors
- B. wheelbarrow
- C. nailcutter
- D. see-saw

2. The following is a lever in used. Identify the part labelled X.



The ray marked **P** is called

A. reflected ray B. normal ray
C. refracted ray D. Incident ray

5. Ramos mixed oxygen gas and nitrogen gas. What percentage composition does the two gases take?

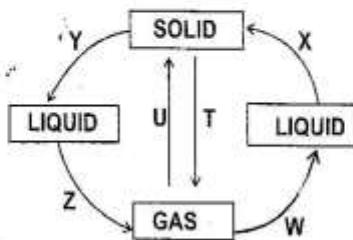
A. 99% B. 21%
C. 0.97% D. 78%

6. A component of air that is used in preservation of soft drinks is known as

A. oxygen B. carbondioxide
C. rare-gases D. nitrogen.

The chart represents changes of states of matter.

Use it to answer questions 7 and 8.



Grade 6 learners of Kilo Primary School collected a sample of an invertebrate as shown in the picture.

Use it to answer questions 11 and 12.



11. Which of the following invertebrates has similar characteristics as the one above?

- A. Butterfly
- B. Crabs
- C. Scorpion
- D. Snail

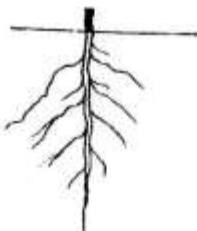
12. The invertebrates in question 11 has the following characteristics **except**

- A. has a pair of feelers
- B. segmented body
- C. has 8 legs
- D. has two body parts.

13. Gogo took photos of fungi in her locality. Which one is **not** a fungi he took its photo?

- A. Mould
- B. Toadstool
- C. Mushroom
- D. Fern

14. Rotich identified the function of the part of the plant below.



Which one is **wrong**?

- A. Supports the plants
- B. Makes plant food
- C. Anchor plant in soil
- D. Absorbs mineral salts.

15. Bandi ate chapati and beans. In which part of the digestive system was the food absorbed into the body?

- A. Stomach
- B. Small intestine
- C. Large intestines
- D. Rectum

16. The following are properties of matter:

- i) **Has definite shape**
- ii) **Flows**
- iii) **Has definite volume**
- iv) **Has indefinite volume**
- v) **Has indefinite shape.**

Which one describe liquids?

- A. i, iii, v
- B. ii, iv, v
- C. ii, iii, v
- D. i, iv, v

17. Kante collected wastes from the school compound that can be re-used. Kante was likely to have collected

- A. polythene bags
- B. broken pieces of glass
- C. potato peels
- D. plastic jerricans

18. To get clean and safe water for drinking we should _____ water.

- A. boil
- B. filter
- C. decant
- D. store

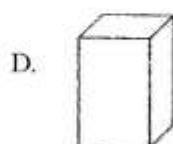
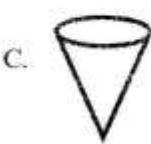
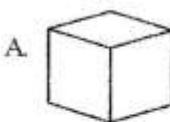
19. A ball was kicked upwards and after sometimes it was seen falling down. Which force made the ball fall down?

- A. Friction
- B. Gravity
- C. Magnetic
- D. Mass

20. Otoche uses heat in the following ways. Which one is odd one out?

- A. Cooking food
- B. Warming self
- C. Ironing clothes
- D. Taking photographs

21. Barrow was testing on objects that would sink in water. The objects are as shown below. Which one will the bottom of the container **fastest** when dipped at the same time?



22. Milka mixed salt and sand. What would be the **correct** process of separating the mixtures?

- A. Filtering → dissolving → evaporating
- B. Dissolving → filtering → evaporating
- C. Picking → dissolving → filtering
- D. Sieving → picking → winnowing

23. Tarus is suffering from a disease of the breathing system. Which disease is he suffering from?

- A. Malaria
- B. Cancer
- C. Tuberculosis
- D. Ulcers

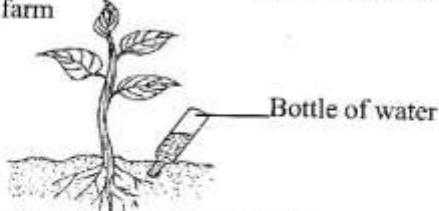
24. An example of a vertebrate that lays eggs and its young one is called tadpole is

- A. snake
- B. fish
- C. toad
- D. lizard.

25. The pistil of a flower includes all the following **except**

- A. anthers
- B. stigma
- C. ovules
- D. styles

37. Otula carried out the following farming activity in his farm



The method of irrigating is called

A. basin irrigation B. canal irrigation
C. drip irrigation D. sprinkler irrigating

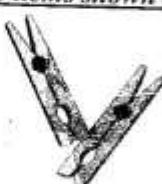
38. The process of laying plants materials on the base of a growing crop to reduce water loss from is known as

A. cover cropping B. mulching
C. shading D. training.

39. Juma removed unwanted plants from her innovative garden. This is called

A. weeding B. thinning
C. pruning D. gapping

During laundry process, Jako's mother was seen using the items shown in the picture below



40. What steps of laundry work process are the items in the pictures used?

A. Rinsing B. Mending
C. Drying D. Washing

41. When cleaning glass surfaces at home you require the following except

A. hardbrush B. warm water
C. soap D. sponge.

Mariko keeps small domestic animal shown in the picture. Use it to answer questions 42 and 43



42. The animal has the following benefits, which one is not?

A. Used as pet B. Provide meat
C. Provide manure D. Provide milk

43. You can carry out the following routine practices on the animal above. Which one is not?

A. Treatment B. Dehorning
C. Feeding D. Cleaning the house.

44. All the following are parts of human digestive system except

A. ileum B. trachea
C. colon D. stomach

45. Seeds of vegetables crops are first raised in the _____ before they are transferred to the **main** farm.

A. seedbed B. nursery bed
C. fallow bed D. ditches.

46. Orendo was choosing clothes to wear for good grooming. He should consider all the following factors except

A. occasion B. size
C. weight D. comfortability

A group of learners came across the structure in the picture below in a neighbouring maize farm. Use it to answer question 47.



47. The structure is used to

A. attract animals B. keep off animals
C. provide shade D. make farm beautiful

48. The following are physical deterrents. Which one is not?

A. Mesh fence B. Thorny fence
C. Bitter tasting herbs D. Blinking lights.

49. Peace prepared a balanced diet. Which of the food did she prepare?

A. Beans, chapati, cabbage
B. Ugali, meat, soda
C. Chapati, milk, biscuit
D. Bananas, rice, spinach.

50. Grade Six learners improvised Personal Protective Equipment (PPE's). Which is not one of the PPE's they improvised?

A. Head gear B. Hand gloves
C. Apron D. Long trousers.