



Myfuture CBC Revision

Science And Technology - Grade 4

Question Paper

1. Which energy form is essential for photosynthesis in plants?

- A. Heat energy
- B. Light energy
- C. Sound energy
- D. Electric energy

2. What is the effect of air pollution on the ozone layer?

- A. a. It repairs the ozone layer
- B. d. It creates a hole in the ozone layer
- C. b. It depletes the ozone layer
- D. c. It has no effect on the ozone layer

3. Which of the following is a characteristic of birds?

- A. Lay eggs in water
- B. Cold-blooded
- C. Feathers for flight
- D. Pouch for carrying young

4. Which state of matter has no definite shape or volume but has a definite mass?

- A. Liquid
- B. Solid
- C. Plasma
- D. Gas

5. What is the function of the pancreas in the digestive system?

- A. Absorbing nutrients
- B. Storing waste
- C. Producing bile
- D. Producing enzymes

6. What force acts against motion when an object moves through the air or water?

- A. Applied force
- B. Gravity
- C. Magnetism
- D. Friction

7. the following are sources of air pollutants except one, which one is it?

- A. smoke
- B. purified fumes
- C. exhaust fumes
- D. dust

8. When you push a book on a table, which force are you exerting?

- A. Friction
- B. Gravity
- C. Tension
- D. Applied force

9. the object that is being moved is known as

- A. pull
- B. effort
- C. fulcrum
- D. load

10. Which of the following is an example of a chemical change in matter?

- A. Boiling water
- B. Rusting iron
- C. Mixing salt and water
- D. Melting ice

11. What can a digital scale be used for?

- A. Cooking meals
- B. Watching TV shows
- C. Painting walls
- D. Measuring weight

12. What is a potential health risk of consuming polluted drinking water?

- A. Contracting waterborne illnesses
- B. Boosting immunity
- C. Improving overall health
- D. Decreasing the risk of diseases

13. Which state of matter has particles that are charged and conduct electricity?

- A. Plasma
- B. Solid
- C. Liquid
- D. Gas

14. Which of the following activities can lead to thermal pollution in Kenyan lakes?

- A. Discharging warm water from industries
- B. Planting trees along riverbanks
- C. Conserving water resources
- D. Reducing energy consumption

15. What is the main cause of water pollution in Kenya?

- A. Factories
- B. Farming practices
- C. Building more parks
- D. Protecting the environment

16. What force is responsible for the tension in a tightrope walker's balancing pole?

- A. Compression
- B. Friction
- C. Tension
- D. Magnetic

17. What is the main health concern associated with air pollution?

- A. b. Respiratory problems
- B. d. Dental cavities
- C. c. Broken bones
- D. a. Obesity

18. What is the main source of energy for the earth's weather system?

- A. Electricity
- B. Moonlight
- C. Sunlight
- D. Coal power

19. What is the basic building block of all matter?

- A. Atoms
- B. Plants
- C. Cells
- D. Bacteria

20. What is the SI unit of force?

- A. Coulomb
- B. Joule
- C. Newton
- D. Watt

21. What role does light energy play in the sense of sight?

- A. Light energy activates our sense of touch to sense objects.
- B. Light energy generates scents that help us recognize objects.
- C. Light energy reflects off objects and enters our eyes to help us see.
- D. Light energy triggers a response in our taste buds to identify objects.

22. Chemical changes result in new substances, but physical changes do not. Which process is an example of a chemical change?

- A. chopping a tree
- B. making a cup of tea
- C. cooking a steak
- D. drying clothes in the dryer

23. How does light energy help us to perceive colors?

- A. Light energy triggers taste receptors to recognize colors.
- B. Light energy interacts with our eyes to help us see and distinguish colors.
- C. Light energy is absorbed by objects to show their colors.
- D. Light energy activates our sense of smell to identify colors.

24. Which type of energy is produced by the chemical reactions in batteries?

- A. Nuclear
- B. Chemical
- C. Solar
- D. Geothermal

25. which of the following is not a precaution to be observed while handling plants

- A. wearing protective gear e.g. gloves and gumboots
- B. washing hands after handling these plants
- C. tasting parts of the plants in the field
- D. not destroying the plant while collecting samples

26. David put a piece of wood in a glass of water. the amount of the water in the glass increased. these showed that solids

- A. are big
- B. occupies volume
- C. are heavy
- D. have a definite shape

27. What can individuals do to reduce air pollution in their daily lives?

- A. a. Drive a car alone
- B. b. Use public transportation
- C. c. Burn trash in the backyard
- D. d. Smoke indoors

28. What effect can oil spills have on water bodies?

- A. Cleaning the water
- B. Polluting the water
- C. Fertilizing the water
- D. Helping aquatic life

29. the following are characteristics of canine teeth. Which one is not?

- A. they have three roots which are well developed.
- B. they very sharp and pointed
- C. they are longer than others
- D. they have a single root

30. Which of the following is a non-point source of water pollution in Kenya?

- A. Oil spills from ships
- B. Waste from factories
- C. Sewage treatment plants
- D. Agricultural runoff

31. levers are grouped based on the positioning of the following except

- A. load
- B. direction of movement
- C. effort
- D. fulcrum

32. three of the following are found in a keyboard. which one is not?

- A. numbers
- B. symbols
- C. letters
- D. on and off buttons

33. How does industrial wastewater contribute to water pollution?

- A. Increasing fish population in rivers
- B. Providing clean water
- C. Supporting aquatic habitats
- D. Releasing toxic chemicals into water bodies

34. what is pollution?

- A. introduction and planting of new trees in the environment
- B. introduction of less harmful substances into the environment
- C. introduction of harmful or poisonous substances in the environment
- D. caring for the environment

35. What can governments do to reduce air pollution in cities?

- A. d. Use more coal power
- B. c. Ban public transportation
- C. b. Plant more trees
- D. a. Increase factory emissions

36. one of the following is not a way of reducing water pollution. which one is it?

- A. treating waste water before discharge
- B. disposing waster properly
- C. releasing dirty water from industries and factories into river
- D. disposing human waste in toilets and latrines

37. What is the density of an object with a mass of 50g and a volume of 10cm³?

- A. 5 g/cm³
- B. 50 g/cm³
- C. 500 g/cm³
- D. 0.2 g/cm³

38. Why do we see a rainbow when light passes through raindrops?

- A. Raindrops emit light energy.
- B. Raindrops absorb light energy.
- C. Light energy refracts in raindrops to form colors.
- D. Light energy reflects off raindrops.

39. What is the function of the large intestine in the digestive system?

- A. Breaking down food
- B. Storing waste
- C. Absorbing nutrients
- D. Producing bile

40. What is the energy that an object has due to its velocity called?

- A. Kinetic energy
- B. Thermal energy
- C. Potential energy
- D. Chemical energy

41. What is the main source of energy for cooking in most Kenyan households?

- A. Electricity
- B. Propane
- C. Natural Gas
- D. Charcoal

42. which one of the following may be seen both during the day sometimes and at night

- A. moon
- B. clouds
- C. sun
- D. stars

43. Which of the following is NOT a characteristic of animals?

- A. They need oxygen to survive
- B. They are multicellular
- C. They can move
- D. They can photosynthesize

44. Mass, relative density, solubility, color, texture, state of matter, conductivity, etc.

- A. Physical state
- B. Physical Properties
- C. Insulators
- D. Inferences

45. Something that takes up space and has mass.

- A. matter
- B. volume
- C. density
- D. mass

46. Which of the following is associated with wind speed?

- A. Barometer
- B. Thermometer
- C. Anemometer
- D. Hygrometer

47. which among the following is a way of reducing air pollution?

- A. scattering waste all over the environment
- B. sweeping dusty floors without watering them first
- C. use of ash in pit latrines to prevent bad odors
- D. cutting down trees and grasses

48. Where is the effort applied in a first-class lever?

- A. At the load arm
- B. On the load
- C. Near the fulcrum
- D. Far from the fulcrum

49. Which color of light has the most energy?

- A. Red
- B. Green
- C. Yellow
- D. Blue

50. Which device can be used for viewing digital books?

- A. Bookshelf
- B. Oven
- C. Hairdryer
- D. E-reader

