



Myfuture CBC Revision

Science And Technology - Grade 6

Question Paper

1. Which of the following is NOT a cause of water pollution?

- A. Erosion control
- B. Sewage discharge
- C. Illegal logging
- D. Chemical spills

2. Which state of matter has neither a definite shape nor volume?

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

3. The following are sources of water, which one is not?

- A. Boreholes
- B. Dams
- C. Tank
- D. Rivers

4. What is the energy that an object possesses due to its motion called?

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

5. Which machine is used to clean floors by sucking up dust and dirt?

- A. C. Washing machine
- B. D. Vacuum cleaner
- C. A. Microwave
- D. B. Dishwasher

6. What is the speed of light in a vacuum?

- A. 300,000 km/s
- B. 200,000 km/s
- C. 100,000 km/s
- D. 500,000 km/s

7. What is the process of breaking down food to release energy called?

- A. Photosynthesis
- B. Oxidation
- C. Digestion
- D. Respiration

8. What is the energy produced by the movement of water called?

- A. Hydropower
- B. Geothermal energy
- C. Solar energy
- D. Wind energy

9. which parts of a computer are connected to the power source?

- A. all the components
- B. keyboard and mouse
- C. screen and mouse
- D. CPU and monitor

10. What is the main purpose of a handheld GPS device?

- A. Calculating distances
- B. Scanning codes
- C. Determining location
- D. Printing maps

11. Which of the following is a digital device?

- A. Laptop
- B. Refrigerator
- C. Television
- D. Microwave

12. Which state of matter has particles that are close together and move but not as freely as in a gas?

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

13. Which of the following appliances helps in conserving water when doing laundry?

- A. Using a washing machine for small loads
- B. Pre-soaking clothes for a long time before washing
- C. Hand-washing clothes in a large tub of water
- D. Setting the washing machine to large load for a few clothes

14. What is the name of the layer of the Earth's atmosphere that contains the ozone layer?

- A. Thermosphere
- B. Stratosphere
- C. Troposphere
- D. Mesosphere

15. While Microsoft Word uses documents to save information, Microsoft excel uses

- A. spreadsheet
- B. page
- C. documents
- D. pdf

16. Which appliance uses the most water in a typical household?

- A. Shower
- B. Washing machine
- C. Dishwasher
- D. Toilet

17. All matter has physical and chemical properties. These properties can be used to identify the type of matter. Which of these choices describes a chemical property?

- A. reactivity with water
- B. flexibility
- C. electrical conductivity
- D. boiling point

18. Which of the following is an example of kinetic energy?

- A. A stationary car
- B. A moving bicycle
- C. A battery
- D. A book on a shelf

19. What type of energy is generated by flowing water in a dam?

- A. A. Geothermal energy
- B. C. Hydroelectric energy
- C. D. Sound energy
- D. B. Nuclear energy

20. Which force allows a cyclist to pedal forward on a bike?

- A. Thrust
- B. Compression
- C. Buoyancy
- D. Friction

21. Which of the following is true about animals?

- A. They cannot feel pain
- B. They do not need food
- C. They have specialized senses
- D. They do not reproduce

22. one evening, it started raining while josh and his dog pet were outside. they both ran towards the house. what characteristics of living things did they show by moving away from the rain

- A. growing
- B. response to changes in the environment
- C. dying
- D. reproducing

23. What type of simple machine is a ladder?

- A. Pulley
- B. Wedge
- C. Inclined plane
- D. Lever

24. which part of the digestive system produces hydrochloric acid

- A. stomach
- B. tongue
- C. rectum
- D. bile

25. Which part of the plant is responsible for anchoring it in the ground?

- A. Stem
- B. Flowers
- C. Roots
- D. Leaves

26. What state of matter has the most energy?

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

27. What type of simple machine is a pair of scissors?

- A. Screw
- B. Pulley
- C. Lever
- D. Wheel and axle

28. What is the primary purpose of a wheel and axle system?

- A. To decrease friction
- B. To multiply force
- C. To increase speed
- D. To change direction

29. What do you call the force that pulls objects towards the center of the Earth?

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

30. What is the role of the flowers in a plant?

- A. Making food
- B. Produce seeds
- C. Anchoring the plant
- D. Support plant structure

31. Which part of a plant is responsible for making sugars through photosynthesis?

- A. Roots
- B. Leaves
- C. Flowers
- D. Stem

32. Which of the following is an example of kinetic energy?

- A. A stretched rubber band
- B. A battery
- C. Winding up a toy car
- D. A moving car

33. Which animal has a long trunk and tusks?

- A. Leopard
- B. Rhino
- C. Hippo
- D. Elephant

34. What happens to particles of a substance when heat energy is added?

- A. particles speed up and move closer
- B. particles speed up and move apart
- C. particles slow down and move closer
- D. particles slow down and move apart

35. Three of the following are done during dry weather apart from one. Which one is it?

- A. planting
- B. drying grains
- C. preparing land
- D. harvesting

36. What is the main function of roots in a plant?

- A. Absorb sunlight
- B. Make seeds
- C. Anchor the plant
- D. Transport water

37. What part of the plant is responsible for supporting the plant's growth?

- A. Stem
- B. Flowers
- C. Roots
- D. Leaves

38. Which simple machine uses a rigid bar that pivots on a fulcrum to lift objects?

- A. Pulley
- B. Lever
- C. Wheel and axle
- D. Wedge

39. What is a good practice for saving water when watering outdoor plants?

- A. Watering plants during peak sunlight hours
- B. Watering the sidewalk along with plants
- C. Watering plants deeply but less frequently
- D. Using a high-pressure hose for watering

40. Which gas is the main component of smog and is a pollutant in urban areas?

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

41. Which of the following is not part of the male reproductive system?

- A. Sperm duct
- B. Urethra
- C. Cervix
- D. Testis

42. What are invertebrates?

- A. Animals that have no backbone
- B. Animals that have backbone
- C. Animals without legs
- D. Animals that have no bones

43. Which type of energy is associated with objects at rest?

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

44. What color does a prism split white light into?

- A. Red, orange, yellow, green, blue, indigo, violet
- B. Red, green, purple
- C. Red, blue, yellow
- D. Blue, green, orange

45. Which type of energy is generated by geothermal power plants in locations like Kenya's Rift Valley?

- A. Nuclear energy
- B. Wind energy
- C. Light energy
- D. Heat energy

46. What is reproduction?

- A. It is the process of giving birth to young ones
- B. Respiration of food
- C. Raising young children
- D. Taking care of young ones

47. What material can reflect light energy?

- A. Glass
- B. Metal
- C. Wood
- D. Plastic

48. what characteristic of animals represented by them giving birth to their young ones

- A. they reproduce
- B. they breath
- C. they eat
- D. they die

49. what is a bolus?

- A. a disease that affects the mouth
- B. small round balls formed as the tongue rolls the chewed food
- C. end product after digestion is complete
- D. saliva component

50. Which male reproductive organ is responsible for producing the fluid that carries sperm?

- A. Vas deferens
- B. Seminal vesicles
- C. Epididymis
- D. Urethra

