



Myfuture CBC Revision

Integrated Science - GRADE 9

Question Paper

1. What is the function of a petri dish in the laboratory?

- A. To hold test tubes
- B. To culture microorganisms
- C. To observe small objects
- D. To heat substances

2. Which of the following is a common condition affecting the kidneys?

- A. Asthma
- B. Hypertension
- C. Diabetes mellitus
- D. Cystic fibrosis

3. What is the voltage of a standard household electrical outlet in Kenya?

- A. 120V
- B. 12V
- C. 440V
- D. 220V

4. What is the region around a magnet where magnetic materials are affected?

- A. Static field
- B. Electric field
- C. Gravitational field
- D. Magnetic field

5. Which of the following is a common alloy used in electrical wiring?

- A. Bronze
- B. Tin
- C. Steel
- D. Pure copper

6. Which one are strong acids?

- A. Sulphuric acid and Hydrochloric acid
- B. Orange juice and Hydrochloric acid
- C. Lemon juice and orange juice
- D. Lemon juice and Sulphuric acid

7. Which one is not an example of cosmetics?

- A. Deodorant
- B. Lipsticks
- C. Salt
- D. Body lotion

8. What is the main cause of water hardness?

- A. High concentration of potassium ions
- B. High concentration of sodium ions
- C. High concentration of chlorine ions
- D. High concentration of calcium ions

9. Which of the following can become positively charged by losing electrons?

- A. Metal spoon
- B. Rubber balloon
- C. Plastic ruler
- D. Glass rod

10. Which one is not a sign of kidney stones?

- A. Smelling urine
- B. Kidney becomes inflamed
- C. Frequent urination
- D. Blood in urine

11. The inability of sperm cells to move normally could prevent the production of offspring by interfering with.....

- A. differentiation
- B. fertilization
- C. meiosis
- D. mitosis

12. Which laboratory apparatus is used for measuring precise amounts of chemicals?

- A. Thermometer
- B. Stirring rod
- C. Beaker
- D. Burette

13.protects the skin from ultraviolet rays from the sun.

- A. Sweat glands
- B. Sweat duct
- C. Root hair
- D. Hair

14.are products that are used on the skin to enhance appearance.

- A. Epidermis
- B. Nephritis
- C. Cosmetics
- D. Dermis

15. The waste products from the kidney in form of urine leaves the kidney through the

- A. Urethra
- B. Renal artery
- C. Renal vein
- D. Ureter

16.charges are produced when two materials are rubbed against each other.

- A. Induction
- B. Static
- C. Mobile
- D. Dynamic

17. Which laboratory instrument is used to measure temperature?

- A. Beaker
- B. Bunsen burner
- C. Measuring cylinder
- D. Thermometer

18. How does an indicator help in distinguishing between acids and bases?

- A. It conducts electricity in bases
- B. It tastes sour in bases
- C. It feels slippery in acids
- D. It changes color in the presence of acids

19. A.....holds the bulb and make it easier to connect wires to the bulb.

- A. Bulb holder
- B. Switch
- C. Wire
- D. Cell holder

20. What is the purpose of the respiratory system in animals?

- A. digest food
- B. exchange gases
- C. circulate blood
- D. excrete waste

21. What is the most common method used to measure water hardness?

- A. Filtration
- B. Titration
- C. Decantation
- D. Evaporation

22. Which of the following is a role of fiber in the diet of animals?

- A. provide energy
- B. help with blood clotting
- C. regulate cholesterol
- D. enhance vision

23. What does it mean if a mixture is homogeneous?

- A. you can see the different parts
- B. made of elements
- C. chunks of particles
- D. cannot tell one part from another

24. If a fire erupts, immediately.....

- A. throw water on the fire.
- B. notify the teacher.
- C. run for the fire extinguisher.
- D. open the windows.

26. Which of the following are weak acids?

- A. Lemon juice and sodium hydroxide
- B. Distilled water and Calcium hydroxide
- C. Calcium hydroxide and Orange juice
- D. Lemon juice and Orange juice

27. How many paths are in Junior school?

- A. 6
- B. None
- C. 3
- D. 2

28. Which metal is known for its use in batteries due to its chemical properties?

- A. Copper
- B. Gold
- C. Lead
- D. Zinc

29. Which metal is used in the production of mirrors for its reflective properties?

- A. Iron
- B. Copper
- C. Aluminum
- D. Silver

30. Which of the following is not a component of food but is essential for digestion in animals?

- A. Saliva
- B. Insulin
- C. Hydrochloric acid
- D. Bile

31. Differentiate between rule and ruler.

- A. the rule is half that of ruler
- B. The zero mark of the rule is located at the edge while that of a ruler is located away from
- C. The zero mark of the ruler is located at the edge while that of a rule is located away from
- D. the size of them differs alot .

32. What is Integrated Science?

- A. the study of the development, structure, and functioning of human society.
- B. a multidisciplinary field that combines knowledge and methods from various sciences,

33. Which of the following does not contribute to water hardness?

- A. Magnesium ions
- B. Calcium ions
- C. Sulfate ions
- D. Chloride ions

34. Which of the following is not a use of magnets?

- A. Collecting magnetic materials
- B. Mixing materials
- C. Compass
- D. Making loud speakers

35. What is the main difference between a compound and a mixture?

- A. Mixtures have a chemical bond between elements, compounds do not
- B. Compounds are made of elements, mixtures are not
- C. Mixtures can be separated by physical means, compounds cannot
- D. Compounds have a fixed composition, mixtures do not

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

- A. reabsorb water
- B. filter waste
- C. store food
- D. absorb nutrients

37. Which of the following is NOT a factor that affects the strength of static electricity?

- A. Temperature
- B. Material of the objects
- C. Humidity
- D. Distance between objects

38. What is the function of the root hairs in plants?

- A. Photosynthesis
- B. Absorb water and nutrients
- C. Support the plant
- D. Transport nutrients

39. When you finish working with chemicals, biological specimens, and other lab substances, always.....

- A. wash your hands thoroughly with soap and water.
- B. wipe your hands on a towel.
- C. treat your hands with skin lotion.
- D. wipe your hands on your clothes.

40. Where does photosynthesis mainly take place in a plant cell?

- A. Chloroplasts
- B. Mitochondria
- C. Vacuole
- D. Cytoplasm

41. Which one is a conductor of electricity?

- A. Leather
- B. Ceramic
- C. Aluminum
- D. Wood

42. ----- is the distance between two points.

- A. mass
- B. temperature
- C. length
- D. time

43. Where does fermentation of fibrous plant material primarily occur in animals?

- A. Cecum
- B. Colon
- C. Small intestine
- D. Stomach

44. Which nutrient is responsible for building and repairing tissues in animals?

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

45. The following is not a laboratory apparatus.

- A. do not splash water on electric sockets
- B. repair a faulty apparatus
- C. windows and doors should be open
- D. proper disposal of waste after experiment

46. ---- supports the body tube and stage.

- A. limb
- B. mirror
- C. base
- D. clip

47. What waste is produced by the kidneys?

- A. Food waste
- B. Kidney stones
- C. Urine
- D. Blood

48. What does the Earth's magnetic field help protect us from?

- A. Earthquakes
- B. Tsunamis
- C. Solar wind
- D. Asteroid impacts

49. Which phase does the egg break down and shed along with the uterine lining?

- A. Ovulation phase
- B. Menstrual phase
- C. Luteal phase
- D. Follicular phase

50. The mass of a loaf of bread is 400 g. What is its mass in SI unit?

- A. 0.004 kg
- B. 0.4 m
- C. 0.04 km
- D. 0.4 kg