

PRIMARY SCIENCE

KCPE MODEL TEST PAPER ON ENVIRONMENT

Based on KCPE 2001-2010 Past Papers

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Primary Science Series: Revision Guide for Standards 6, 7 and 8

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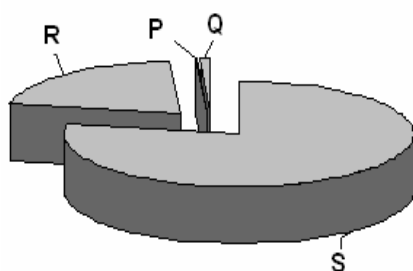
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1. Which one of the following waste products DO NOT require processing before recycling?
 - A. Dirty used water
 - B. Scrap metal
 - C. Waste paper
 - D. Rice husks
2. Which of the following is most polluted when farmer uses pesticide in excess?
 - A. Water
 - B. Crop
 - C. Soil
 - D. Air
3. Which two components make up to about 78% of the volume of air?
 - A. Rare gases and nitrogen
 - B. Nitrogen and oxygen
 - C. Carbon dioxide and nitrogen
 - D. Oxygen and carbon dioxide
4. An indicator from a flower turned pink when mixed with drops of clover extract. Which of the following would have similar result when mixed with the indicator?
 - A. Chalk powder
 - B. Lemon juice
 - C. Wood ash
 - D. Baking powder
5. Which one of the following will help to conserve the environment?
 - A. Using commercial fertilizers to increase crop yield
 - B. Burying plastic in the soil
 - C. Using ash from wood to kill pests
 - D. Burning heaps of sawdust
6. Which of the following will LEAST pollute the environment?
 - A. Smoke from burning charcoal
 - B. Gases from industries
 - C. Exhaust gases from vehicles
 - D. Rotting plant and animal matters
7. Which one of the following would least pollute the environment?
 - A. Gases from industries
 - B. Exhaust gases from vehicles
 - C. Smoke from burning charcoal
 - D. Rotting plants and animals materials

8. Fruits that are dispersed by water;
 - A. Are small with hooks
 - B. Are small and hairy
 - C. Are hollow and fibrous
 - D. Are small with hooks
9. A certain animal has body temperature varying with the environment, lays eggs and has scales. The animal is likely to be
 - A. Snake
 - B. Platypus
 - C. Toad
 - D. Duck
10. Which one of the following ways is not accepted way of stopping monkeys from destroying crops?
 - A. Laying a trap for the monkey
 - B. Putting fence around the farm
 - C. Seeking assistance from game reserve
 - D. Guarding the farm
11. The component of the air in the atmosphere which changes from time to time is?
 - A. Oxygen
 - B. Water vapour
 - C. Carbon dioxide
 - D. Nitrogen
12. One of the following DOES NOT help to conserve water. Which one?
 - A. Drip irrigation
 - B. Using oil to kill mosquitoes larvae
 - C. Treating from factories
 - D. Mulching
13. A suitable way of handling plastics materials to avoid pollution is?
 - A. Dumping in water
 - B. Burning
 - C. Burying in the soil
 - D. Reusing
14. Which one of the following materials can be recycled?
 - A. Ash
 - B. Cowdung
 - C. Coffee husks
 - D. Scrap metals

15. Which one of the following consists of renewable sources of energy?
- Firewood and kerosene
 - Waterfalls and petrol
 - Biogas and charcoal
 - Wind and coal
16. Which one of the following explains why smoke rises?
- Has hot air in it and has particles suspended in the air
 - Has particles suspended in the air and is cloudy
 - Is less dense and cloudy
 - Has hot air in it and cloudy
17. Which one of the following processes involves absorption of heat from the surrounding?
- Condensation and evaporation
 - Freezing and condensation
 - Melting and heating
 - Evaporation and melting
18. The chart below represents percentage of components of air.

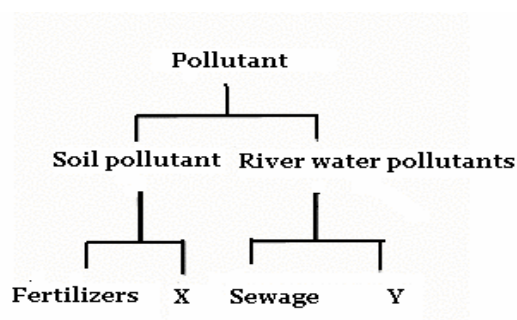


Which portion represents the gas that is necessary for burning

- P
 - Q
 - R
 - S
19. Which of the following materials CANNOT be recycled?
- Rubber tyres
 - Glass bottles
 - Candle wax
 - Saw dust
20. Which of the following practices is used for controlling pollution in the soil, water and air?
- Avoiding dumping cans and plastic materials
 - Treating chemical waste from factories
 - Burning rubbish in metallic or concrete
 - Avoiding excess use of fertilizers

21. A fish is able to move in water easily because
- A. Has fins
 - B. Has hard scales
 - C. Is streamlined
 - D. Has gills
22. Which one of the following will pollute water only?
- A. Untreated sewage
 - B. Used oil
 - C. Farm chemicals
 - D. Factory water
23. The main reason why the government conserves wild life is to have?
- A. Meat from animals
 - B. Plants and animals product
 - C. A balance of nature
 - D. Animals for export
24. The best way of handling tin cans after using the content is by?
- A. Burying them deep in the soil
 - B. Smelting and moulding them into other products
 - C. Throwing them into pit latrine
 - D. Throwing them in the river
25. Which tool is made by following the steps below?
- i. Flattening one end on nail
 - ii. Fixing the flattened end into a piece of wood
 - iii. Cutting off the head of the nail
 - iv. Flattening and sharpening the exposed nail
- A. Hammer
 - B. Chisel
 - C. Drill
 - D. Saw
26. Which of the following does not pollute air?
- A. Exhaust gases from aeroplanes
 - B. Carbon dioxide from plants
 - C. Smoke from burning domestic waste
 - D. Smoke from burning charcoal
27. The main reason why it is advisable to spray on in the direction of the wind is to avoid?
- A. The chemical getting into contact with the sprayer
 - B. Wastage of chemicals
 - C. Polluting the air
 - D. Inhaling the chemicals

28. In which of the following practices is water reused?
- Using dirty water from kitchen for watering plants
 - Collecting water from the roof for domestic purposes
 - Getting clean water from dirty water by boiling and cooling the steam
 - Storing water in dams to be used in irrigation
29. Which of the following components is found in all environments?
- Plants
 - Soil
 - Air
 - Animals
30. Which of the following are percentages of carbon dioxide and nitrogen in the air?
- 1% and 21%
 - 0.03% and 78%
 - 21% and 78%
 - 0.03% and 1%
31. Which of the following LEAST conserves soil?
- Mulching
 - Contour ploughing
 - Terracing
 - Planting cover crops
32. The chart below represents a simple classification of pollutants.



The pollutant represented by X and Y are:

- | X | Y |
|------------------|---------------|
| A. Factory waste | Acid rain |
| B. Herbicides | Oil spillage |
| C. Oil spillage | Acid rain |
| D. Herbicides | Factory waste |

33. Which one of the following is the BEST method of managing plastic waste?
- A. Burning
 - B. Burying
 - C. Recycling
 - D. Reusing
34. Which of the following practices is an advantage to the soil?
- A. Ploughing across contours
 - B. Disposal of vegetable waste
 - C. Burning of crop remains
 - D. Use of herbicides
35. Corrugated iron sheets can be damaged when they come into contact with?
- A. Oil spillage
 - B. Herbicides
 - C. Industrial gases
 - D. Dust
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ANSWERS

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