

KCPE PAST PAPERS 2009: SCIENCE QUESTIONS AND ANSWERS [QNS 26-50]

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Question 26:

Which one of the following DOES NOT explain why an improved jiko conserves energy? It has

- A a cone shape
- B walls made of clay
- C a small space for holding charcoal
- D an outer cover made of metal

Question 27:

in which one of the following is work made easier by changing the direction of force applied?

- A ladder
- B flag post
- C staircase
- D a road winding up a hill

Question 28:

which one of the following groups of foodstuffs constitutes a balanced diet?

- A potatoes, beans, eggs
- B chicken, cabbage, beans
- C rice, chapati, beef
- D peas, ugali, spinach

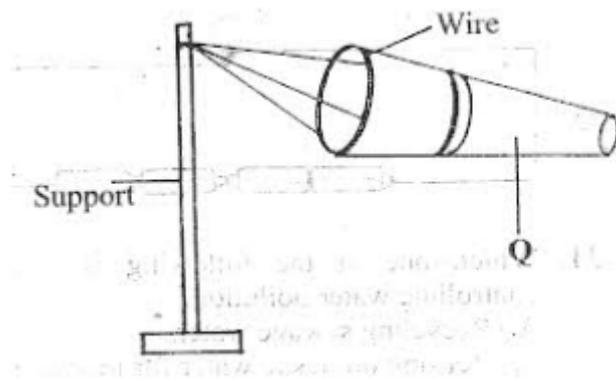
Question 29:

The diagram below represents a windsock constructed by pupils

A suitable material that can be used to make the part labelled Q is?

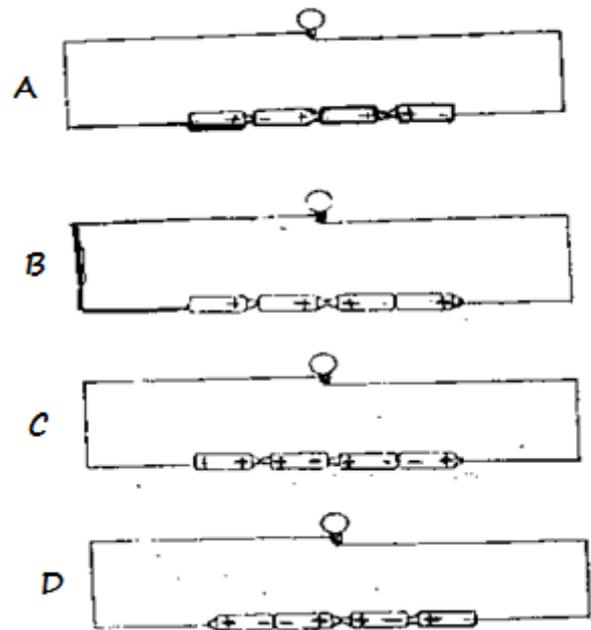
- A sheet of metal
- B manilla paper
- C Polythene sheet
- D piece of mosquito net

Question 30:



in which one of the following circuit diagrams will the bulb not light?

Question 31:



which one of the following is a way of controlling water pollution?

- A recycling sewage water
- B reusing domestic water for irrigation
- C storing water in dams
- D using water sparingly

Question 32:

the MAIN reason why a baby needs to be breastfed by the mother is that the milk produced

- A helps to build the baby's immunity
- B helps the baby to grow fast
- C Helps the baby's bones to be strong
- D is easily digested

Question 33:

the following are features of certain types of clouds:

- (i) white in color
- (ii) appear like bundles of cotton
- (iii) dark grey in colour
- (iv) mountainous in shape

Which pair of features are for nimbus clouds?

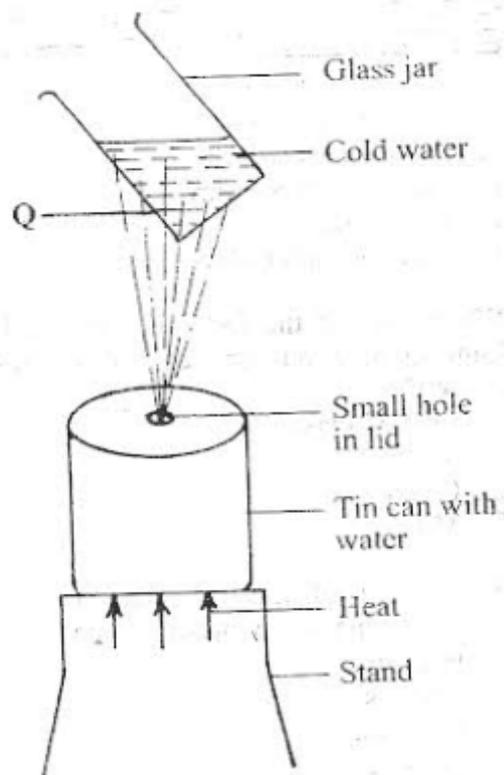
- A (i) and (ii)
- B (i) and (iv)
- C (i) and (iii)
- D (iii) and (iv)

Question 34:

the diagram below represents a set-up that can be used to demonstrate certain processes involved in change of state of matter.

The process that takes place at point labelled Q is

- A boiling
- B condensation
- C evaporation
- D Freezing



which one of the following activities can be used to demonstrate rill erosion?

- A at different positions of a slanting soil surface
- B in channels of soil on a slanting surface
- C on a flat surface of soil
- D on a flat surface using a tin with many holes

Question 36:

which one of the following pairs consist only of materials that are non-magnetic?

- A copper and aluminium
- B steel and zinc
- C silver and steel
- D iron and aluminium

Question 37:

which one of the following activities will make an aluminium foil that was floating on water sink?

- A increasing amount of water
- B rolling the aluminium foil into a tube
- C making holes on the aluminium foil
- D crushing the aluminium foil into a ball

Question 38:

which one of the following ways of improving soil fertility will take the longest time for plants to get nutrients?

- A compost manure
- B compound fertilizer
- C farmyard manure
- D green manure

Question 39:

pupils felt a sample of soil with their fingers. This activity was done to investigate

- A soil texture
- B presence of water in the soil
- C soil capillarity
- D presence of small animals in the soil

Question 40:

which one of the following is NOT a practice for maintaining simple tools?

- A oiling

- B using them for the right purpose
- C sharpening
- D storing in a safe place

Question 41:

Newton is a unit for

- A mass
- B force
- C pressure
- D volume

Question 42:

which one of the following pairs consists of only animals that have webbed feet?

- A turkey and crocodile
- B kingfisher and flamingo
- C Hippopotamus and toad
- D Frog and duck

Question 43:

corrugated iron sheets can be damaged when they come into contact with

- A oil spills
- B herbicides
- C industrial gases
- D dust

Question 44:

the MAIN reason why black jack weed should be uprooted from a vegetable farm when they are still young is

- A because it is easy to uproot the weed
- B to avoid loss of soil nutrients
- C to reduce loss of water
- D to control the spread of the weed

Question 45:

which one of the following is a modern method of preserving food?

- A canning
- B salting
- C smoking
- D drying

Question 46:

The following are activities involved in demonstrating that light travels in a straight line:

- (i) light a candle and place it at the opposite end of the cardboards
- (ii) thread a string through the holes
- (iii) observe the candle through the holes
- (iv) make a hole at the same level in the three cardboards
- (v) cut three similar squares of cardboard and fix each cardboard to a piece of wood

Which one of the following is the correct order of activities?

- A (v), (i), (iv), (iii), (ii)
- B (v), (iv), (ii), (i), (iii)
- C (v), (i), (iv), (ii), (iii)
- D (v), (iii), (iv), (ii), (i)

Question 47:

which one of the following groups consists only of cash crops?

- A maize, tea, yams
- B arrow roots, ground nuts, cotton
- C bananas, Irish potatoes, sorghum
- D sunflower, sisal, coffee

Question 48:

the purpose of using rollers to move a load is to

- A increase the force required to push the load
- B reduce the force that hinders movement of the load
- C make the load lighter
- D control the direction of the movement of the load

Question 49:

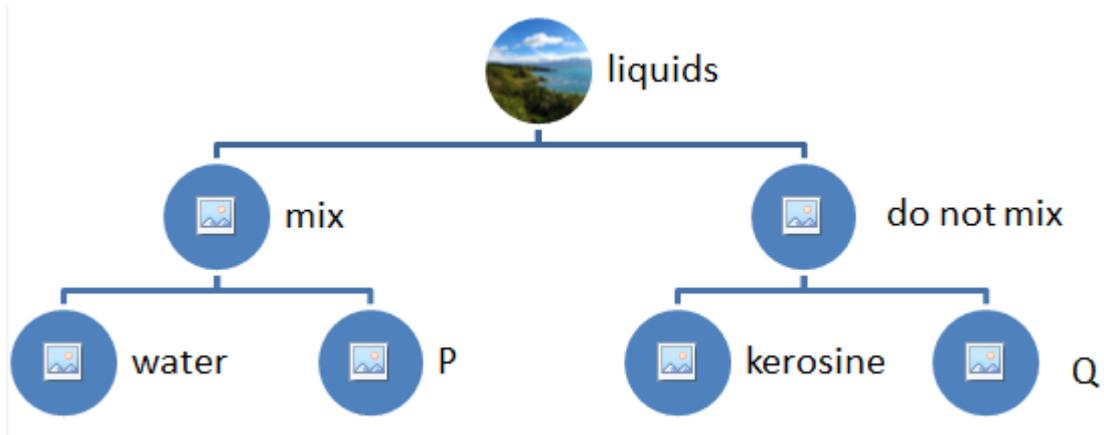
which one of the following is TRUE about heat transfer by convection? It takes place in

- A solids only

- B liquids and gases
- C gases only
- Solids and gases

Question 50:

the chart below represents a simple classification of liquids



Which liquids are represented by P and Q?

- | P | Q |
|-----------------------|---------------------|
| • A methylated spirit | • milk |
| • B engine oil | • methylated spirit |
| • C cooking oil | • milk |
| • D turpentine | • engine oil |