

# PRIMARY SCIENCE

KCPE MODEL TEST PAPER ON WEATHER AND SOLAR SYSTEM

*Based on KCPE 2001-2010 Past Papers*

Retrieved from the Book:

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

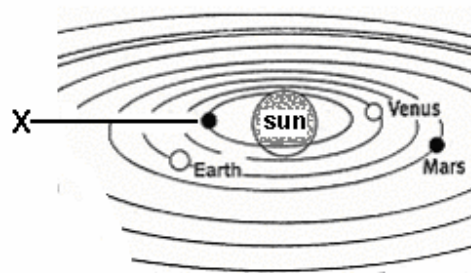
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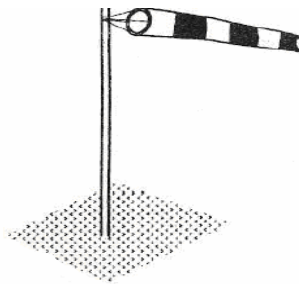
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1. Below is the diagram of the solar system.  
The planet marked X is?

- A. Mercury
- B. Venus
- C. Mars
- D. Earth



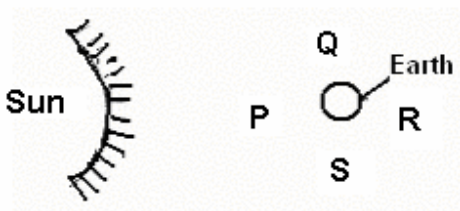
2. The diagram below shows a weather instrument.



The instrument is used for measuring?

- A. Direction and strength of wind
- B. Pressure and strength of wind
- C. Speed and pressure of wind
- D. Speed and direction of wind





















3. The below diagram shows the position of moon as it goes around the earth.



Full moon is observed at position?






- A. P
- B. S
- C. R
- D. Q

4. Some students made a weather record that was represented as in the diagram below.

	Morning		Afternoon	
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				




















Key

	Sunny		Windy
	Cloudy		Calm
	Rainy		

Which one of the following statements about the weather is correct? Whenever it






- Was windy in the morning, it rained in the afternoon
  - Was windy, there was rain
  - Rained, it was windy
  - Was sunny, it was windy
5. The planet with a ring around is?
- Jupiter
  - Saturn
  - Mercury
  - Pluto
6. The planet that takes the longest time to move around the sun once is?
- Uranus
  - Saturn
  - Mars
  - Venus
7. Which one of the following weather instruments DOES NOT work on the fact that matter occupies space?
- Air thermometer
  - Rain gauge
  - Wind sock
  - Wind vane
8. In the solar system, which one of the following pairs consists of the smallest and the largest planet in the solar system?
- Pluto and Saturn
  - Mercury and Jupiter
  - Venus and Uranus
  - Earth and Mars

9. Weather record for four days is represented by the chart below.

	Morning	Afternoon
Monday	 	 
Tuesday		 
Wednesday	 	 
Thursday	 	 
Friday	 	 

Key

 Sunny
  Cloudy
  Rainy
  Windy
  Calm

- On which day did it rain after being cloudy?
- Thursday
  - Tuesday
  - Wednesday
  - Monday
10. Which of the following planets are in the SECOND, FIFTH, and EIGHTH positions respectively from the sun?
- Earth, Saturn, Uranus
  - Uranus, Jupiter, Venus
  - Venus, Jupiter, Neptune
  - Pluto, venus, mars
11. On one evening, Elizabeth noticed a bright heavenly body that was not twinkling. The heavenly body was most likely?
- Neptune
  - Saturn
  - Venus
  - Uranus
12. Which one of the following is true about the planet mars?
- Nearest to the sun
  - The smallest planet
  - Nearest to the earth
  - The brightest planet
13. The temperature at which substance freezes is the same temperature at which the substance?
- Condenses

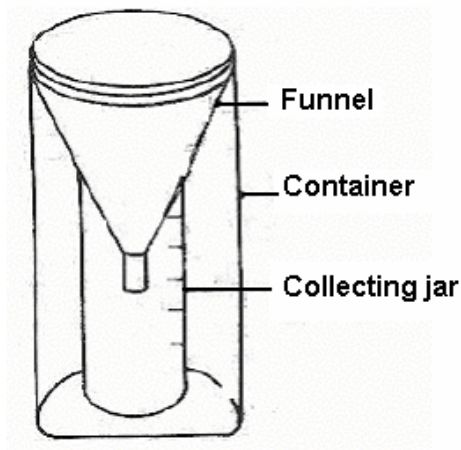
- B. Melts
  - C. Boils
  - D. Evaporates
14. Planets appear bright because they?
- A. Reflect light
  - B. Are large
  - C. All twinkle
  - D. Produce light
15. Which one of the following pairs of process is as a result of increase in temperature?
- A. Melting and evaporation
  - B. Condensation and evaporation
  - C. Condensation and freezing
  - D. Melting and freezing
16. Which one of the following is the largest planet?
- A. Earth
  - B. Mercury
  - C. Jupiter
  - D. Saturn
17. Which of the following shows the 4<sup>th</sup> and 7<sup>th</sup> planets from the sun?
- A. Venus and Neptune
  - B. Jupiter and Uranus
  - C. Mars and Uranus
  - D. Jupiter and Saturn
18. One of the following is not a source of light?
- A. Moon
  - B. Stars
  - C. Sun
  - D. Firefly
19. The presence of thick white and mountain shaped clouds are signs of?
- A. Low temperatures
  - B. Strong winds blowing
  - C. Fine weather
  - D. Heavy rain falling soon
20. The following are activities followed when modeling the solar system, but not on their correct order.
- i. Draw circles on manila paper to show orbits
  - ii. Model the planets and the sun using clay

- iii. Put name tag on models of planets and the sun
- iv. Fix model of planets to orbits and the model of the sun at the centre
- v. Paste manila paper on soft board.

Which one of the following is the CORRECT order in which the activities are carried out?

- A. (i) (iii) (ii) (iv) v)
  - B. (i) (iii) (ii) (v) (iv)
  - C. (ii) (iv) (iii) (i) (v)
  - D. (ii) (v) (i) (iv) (iii)
21. Which one of the following pairs of planets consists of a planet that takes the shortest time and the longest time to go round the sun?
- A. Venus and Neptune
  - B. Mercury and Neptune
  - C. Earth and Saturn
  - D. Jupiter and mars
22. Clothes on a cloth line took too long to dry. The weather was most likely:
- A. Dry and cold
  - B. Cold and dry
  - C. Dry and calm
  - D. Cold and calm
23. Which of the following bodies produce light?
- A. Mars
  - B. Venus
  - C. Star
  - D. Moon
24. A jar used to measure rainfall should be?
- A. Narrow
  - B. Wide
  - C. Short
  - D. Long

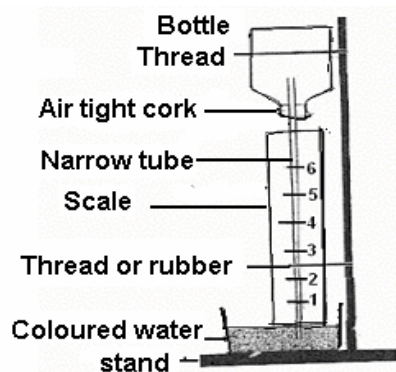
25. The diagram below shows an improved weather instrument.



Which one of the following DOES NOT affect the accuracy of the instrument?

- A. The diameter of the funnel
- B. The diameter of the collecting jar
- C. The distance between the marking
- D. The material used to make the container

26. The diagram represents a weather instrument constructed by a group of pupil who made a mistake while constructing it.



The mistake made during the construction was?

- A. Having scale reading from the bottom
- B. Closing the mouth of the bottle
- C. Having the container with coloured water open
- D. Using little amount of water

27. The following are features of a certain type of clouds;

- i. White in colour
- ii. Appear like bundles of cotton
- iii. Dark grey in colour
- iv. Mountainous in shape

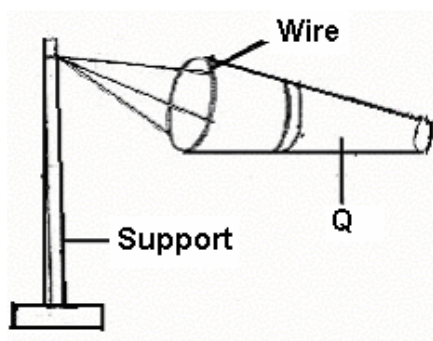
Which pair of features is for nimbus clouds?

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

28. Which one of the following statements about a wind sock is true? A wind sock

- A. Measures speed of wind
- B. Shows the direction of wind
- C. Shows the strength of wind
- D. Works the same way as wind vane

29. The diagram below represents a windsock constructed by pupils.



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

- A. Sheet of metal
- B. Manila paper
- C. Polythene sheet
- D. Piece of mosquito net



## ANSWERS

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