

- Picture shows a window cleaner using some everyday materials.



Choose properties from the list which makes glass window and cleaning cloth suitable its use.

absorbent – brittle – transparent – opaque – flexible – strong

	Glass window	Cleaning cloth
A)	Transparent	Absorbent
B)	Opaque	Flexible
C)	Brittle	Absorbent
D)	Strong	Brittle

How could we save energy on heating our homes?

- A) Keep the house warmer and open the windows.
- B) Keep the house cooler and wear a jumper.
- C) Make sure we leave the heating on when we are out.
- D) Turn the heat up at night, so we don't need blankets on the bed.

What is the longest day of the year?

- A) Spring equinox
- B) Summer solstice
- C) Fall equinox
- D) Winter solstice

Lions only eat buffalo, zebras, antelopes and crocodiles. Elephants only eat leaves, fruits, nuts and grass.

	Animals	describing word
1	lion	a herbivore
		b carnivore
		c producer
2	elephants	d prey

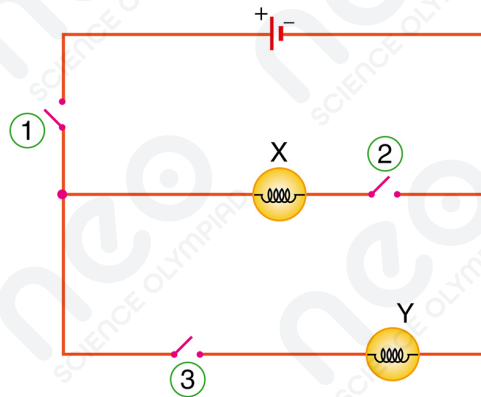
Which of the following matches is correct?

- A) 1-c, 2-b
- B) 1-b, 2-a
- C) 1-d, 2-c
- D) 1-a, 2-d

Where does the Earth get most of its heat and light from?

- A) the Sun
- B) the Moon
- C) electricity
- D) burning fossil fuels

Which switches must be pressed to make bulb X turn on?

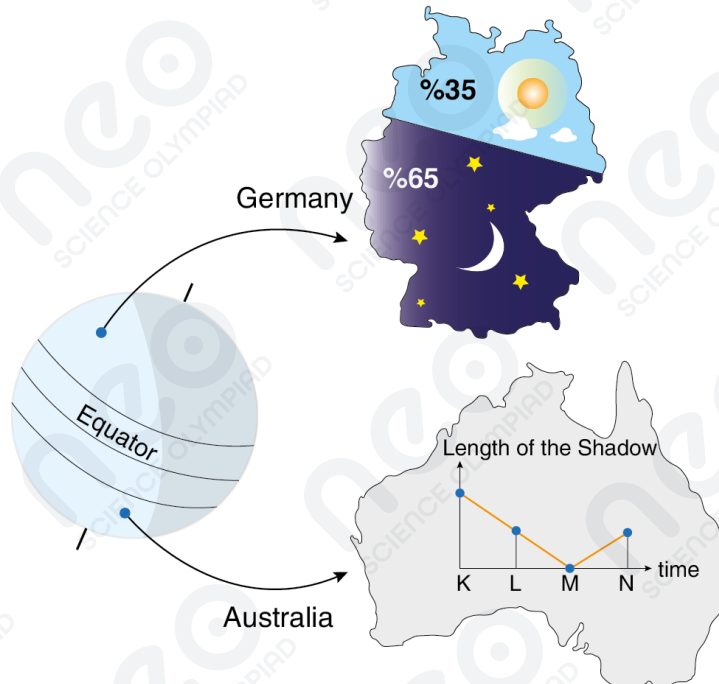


- A) 1 and 2 only
- B) 1 and 3 only
- C) 2 and 3 only
- D) all three of them

We have different seasons during the year because:

- A) the Earth's axis is tilted.
- B) the Moon moves around the Earth.
- C) the Sun moves around the Earth.
- D) there are 12 months in the year.

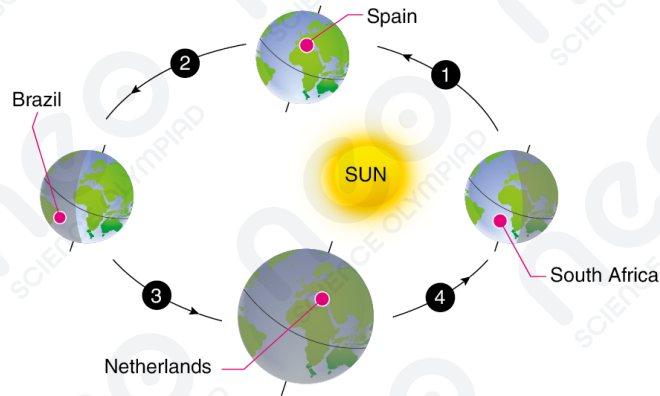
Germany and Australia are provincial countries in different hemispheres. Below are the day-night duration graph of Germany and the shade lengths in the season start dates (K, L, M and N) of Australia.



Which of the dates among K, L, M and N does the values of day and night periods shown for Germany belong to?

- A) K B) L C) M D) N

The orbiting of the Earth around the Sun and the position of the Earth in relation to the Sun at the start of the season are shown in the figure below.



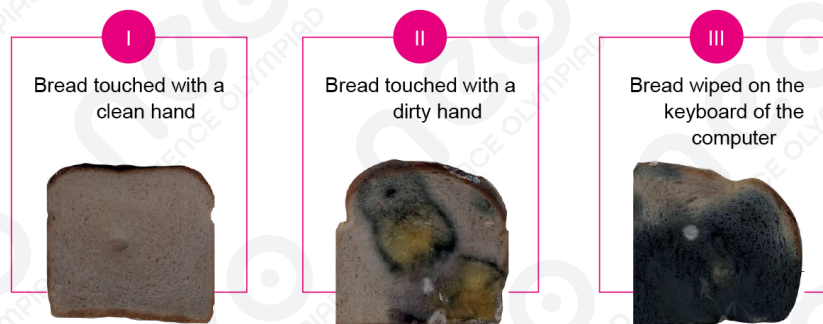
- I. Summer season is experienced in the 3rd region in Brazil.
- II. The days start to get longer in the 2nd region in the Netherlands.
- III. Shadow length continues to grow in the 4th region in South Africa.
- IV. Day and night times are equal at the end of the 1st region in Spain.

Which of the above statements are incorrect?

- | | |
|------------------|------------------|
| A) I and III | B) I, II and IV |
| C) I, II and III | D) I, III and IV |

Wanting to see the effect of cleaning and hygiene on foods, Müller is doing the following experiment.

- He buys three slices of toasted bread.
- After touching the first bread with his hand, which he washed with hot water and soap, he puts it in a bag.
- He puts the second bread into the bag with his dirty hands.
- After wiping the third bread on the keyboard of his computer, he puts it in the bag.
- After keeping all three bags in the same environment for fifteen days, he observes the following situation when he examines the bags.

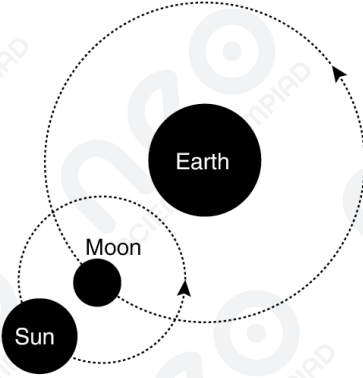


Accordingly, which of the following results cannot be deduced from Müller's experiment?

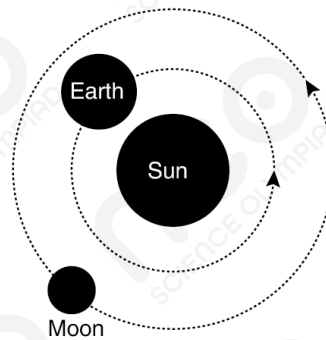
- A) The growth rate of microorganisms in different nutrients is also different.
- B) Washing our hands with soap prevents microorganisms from spreading on our hands.
- C) Microscopic creatures cause mold on bread.
- D) In order to prevent diseases, we must frequently clean our items that we use frequently, as well as our hands.

Which of the models showing the movements of the Sun, Earth and Moon with respect to each other has been drawn correctly?

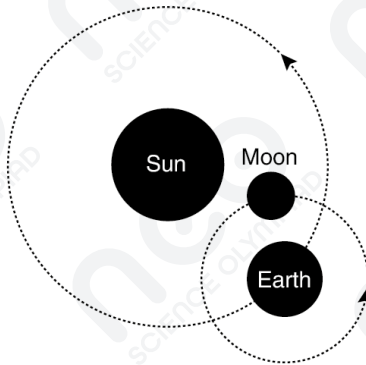
A)



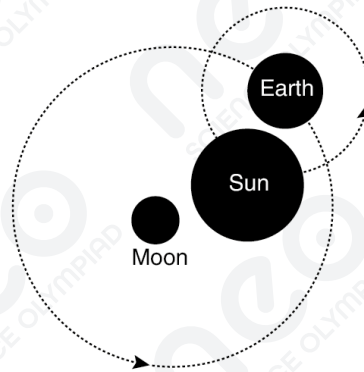
B)



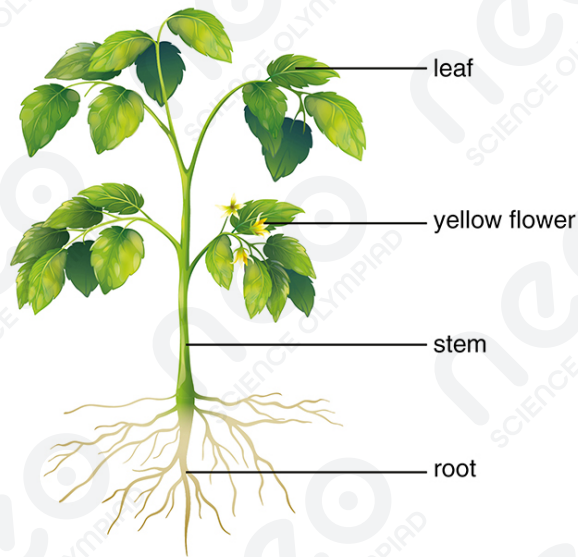
C)



D)



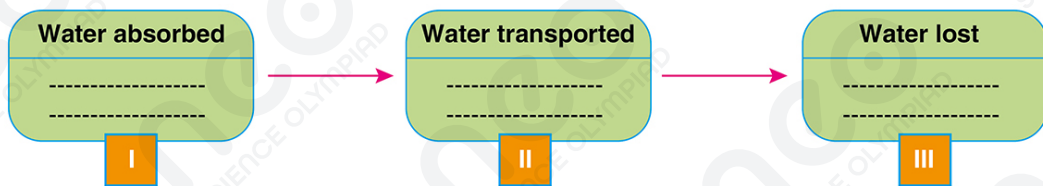
The diagram shows a flowering plant.



Water is absorbed by the plant.

Water is then transported through a different part of the plant.

Water is lost through another part of the plant.



Choose the correct option to fill in each box with the name of parts where these processes happen.

- | | I | II | III |
|----|--------|---------------|--------|
| A) | Roots | Stem | Flower |
| B) | Leaves | Yellow flower | Roots |
| C) | Leaves | Roots | Flower |
| D) | Roots | Stem | Leaves |

Female horseflies bite horses and feed on their blood. Male horseflies feed on plants.

horsefly

1 female horsefly

2 male horsefly

describing word

a herbivore

b carnivore

c producer

d prey

Describe each word that describes the way it feeds for each horsefly.

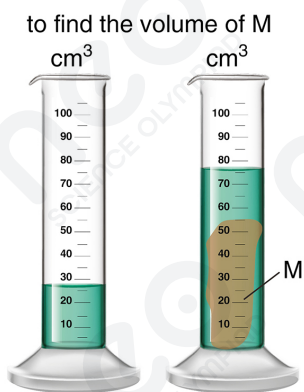
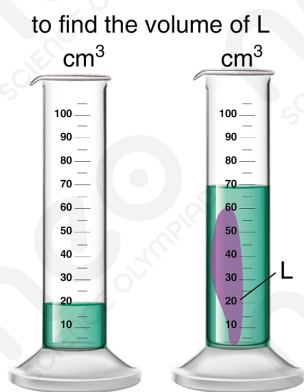
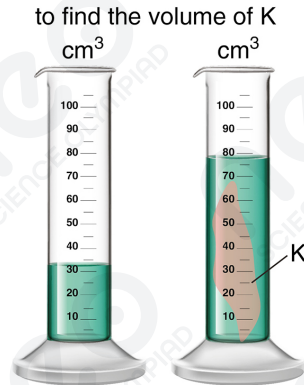
A) 1-c, 2-b

C) 1-d, 2-c

B) 1-b, 2-a

D) 1-a, 2-d

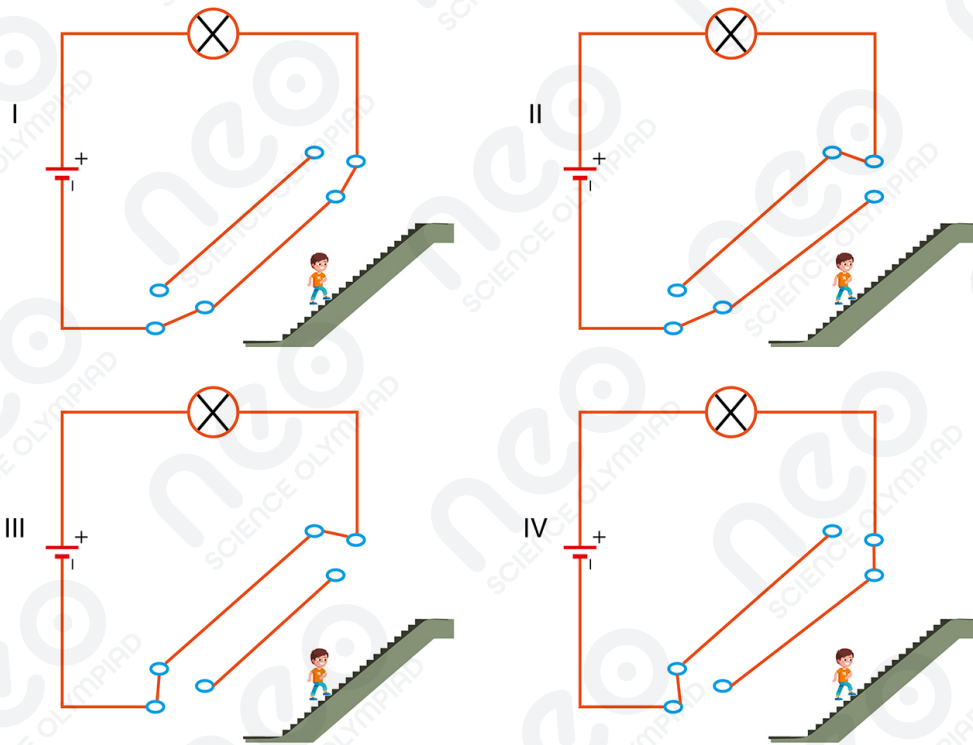
Stefan has three different types rocks and he wants to compare the volume of K, L, and M rocks. Measuring cylinders below containing different volumes of water. He places each rock into one of the measuring cylinders. The diagrams show the measuring cylinders before and after the rocks are put in.



Which row shows the volumes of K, L and M in order, from smallest to largest?

	Smallest volume -----	Largest volume	
A)	K	L	M
B)	K	M	L
C)	M	L	K
D)	M	K	L

The diagrams below show a lightbulb over a staircase of a model house. There is a two-way switch at the bottom of the stairs and another two-way switch at the top.



Which diagram/diagrams has light on?

- A) I and III
B) IV
C) II
D) II and IV

We can't see stars during the day time because:

- A) they are very faint compared with the Sun.
B) they are hidden behind the Earth.
C) they are hidden behind the Sun.
D) they cannot reflect light from the Sun during the day.

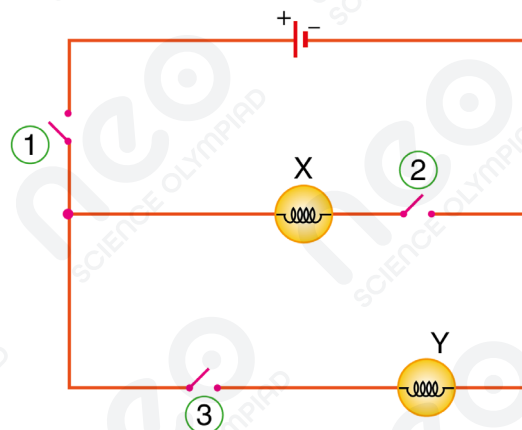
A diagram shows a measuring instrument.



What is measured with the instrument?

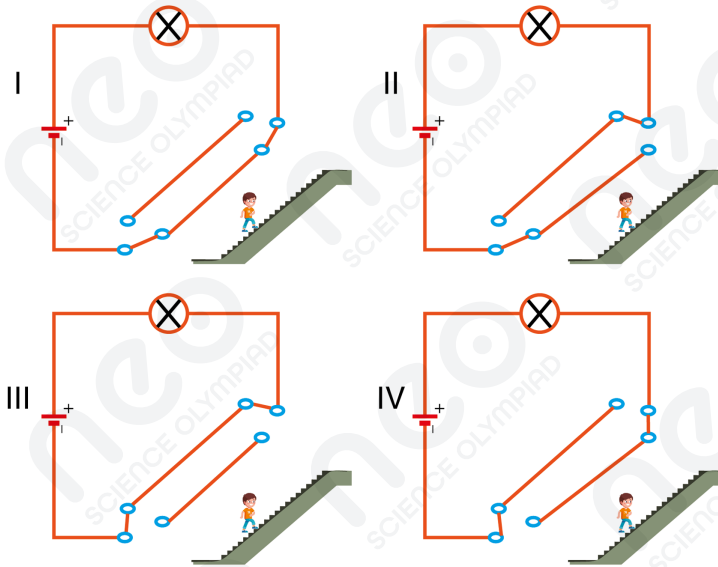
- A) Mass of liquid
- B) Temperature of liquid
- C) Density of liquid
- D) Volume of liquid

In this circuit shown in the figure below, which switches must be closed in order for the bulb X and Y to light up?



- A) 1 and 2 only
- B) 1 and 3 only
- C) 2 and 3 only
- D) 1, 2 and 3

The diagrams below show a lightbulb over a staircase of a model house. There is a two-way switch at the bottom of the stairs and another two-way switch at the top.



Which diagram/diagrams has light off?

- A) III
- B) IV
- C) II
- D) II and IV

Which one is a characteristic of a living thing?

- A) Living things do not grow.
- B) Living things cannot move from place to place.
- C) Living things need food to live.
- D) None of the above.