



Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 34

1 Key words**[3]**

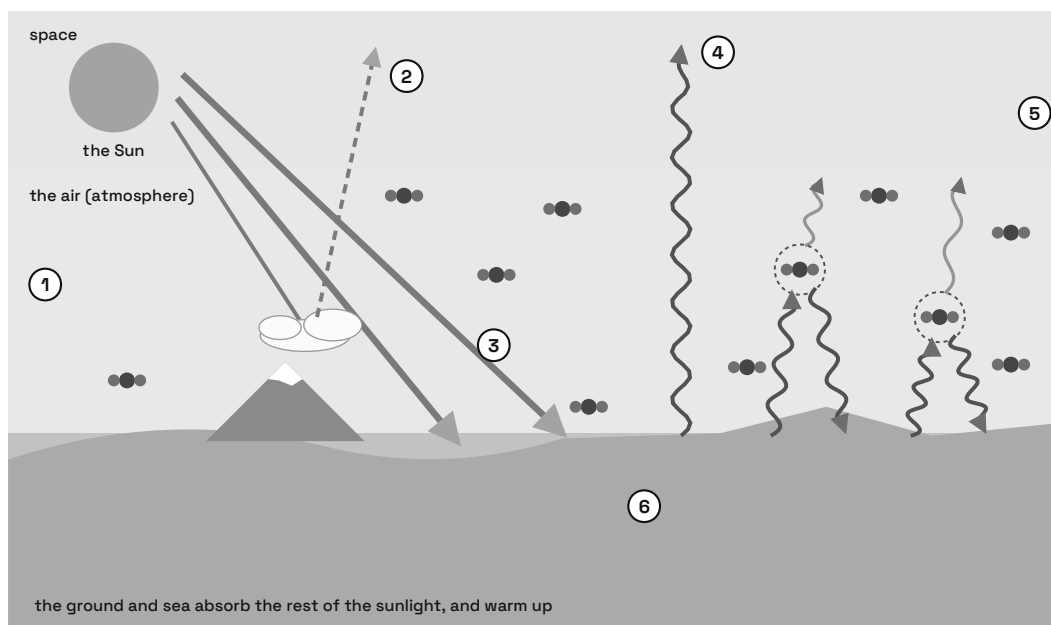
Match each medicinal plant in Column A with its use in Column B. Write the letter in the box. One use in Column B is not needed. Each match carries 0.5 mark.

Column A**Column B**

- | | | |
|---------------|--------------------------|---|
| 1. tulsi | ☐ | a. a climbing shrub with heart-shaped leaves, taken to boost immunity |
| 2. neem | ☐ | b. a fungus growing out of a dead caterpillar, taken as a tonic |
| 3. asuro | ☐ | c. the gel in its leaves soothes sunburn and small burns |
| 4. turmeric | ☐ | d. its vasicine widens the airways, so it is used for coughs and asthma |
| 5. aloe vera | ☐ | e. its curcumin gives it a yellow color; it is put on cuts and wounds |
| 6. yarsagumba | ☐ | f. its leaves are boiled and the drink taken for sore throats, colds and coughs |
| | | g. its twigs are used as toothbrushes and its oil as a natural pesticide |

2 Label the diagram**[3]**

The diagram shows the greenhouse effect. Write what is happening at each of the places numbered 1 to 6. Each carries 0.5 mark.



- | | |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| 5. _____ | 6. _____ |



[5]

Choose the correct option for each of the following questions.

- i. Nowadays there is sometimes too little rain and sometimes very heavy rain, which has hurt farming. What may be the reason? [1]
 - a. volcanic eruptions
 - b. climate change
 - c. the decline of rare wildlife
 - d. a change in atmospheric pressure
- ii. Which of these is a group of endangered (protected) animals? [1]
 - a. swamp deer, Asian elephant, striped hyena
 - b. Asian elephant, striped hyena, jackal
 - c. antelope, tiger, leopard
 - d. Asian elephant, tiger, bear
- iii. Which part of bojho is used as medicine? [1]
 - a. rhizome
 - b. leaf
 - c. stem above the ground
 - d. flower
- iv. Yarsagumba forms when a fungus grows in a kind of caterpillar. What is the relation between the caterpillar and the fungus? [1]
 - a. symbiotic
 - b. parasitic
 - c. predator and prey
 - d. saprotrophic
- v. In chickenpox, neem paste is put on the spots and neem leaves are spread on the bed. Which property of neem helps? [1]
 - a. anti-inflammatory
 - b. antioxidant
 - c. antimicrobial
 - d. antipyretic (fever-reducing)

[3]

Write very short answers to the following questions.

- a. Name any two greenhouse gases. [1]
-
-
- b. What is in-situ conservation? [1]
-
-
- c. Which part of turmeric is used, and which chemical gives it its yellow color? [1]

[6]

Write short answers to the following questions.

- a. Write any two differences between weather change and climate change. [2]
-
-
-



b. Give a reason: sea level rises because of climate change.

[2]

c. Give a reason: endangered animals can be protected by conserving their natural habitat.

[2]

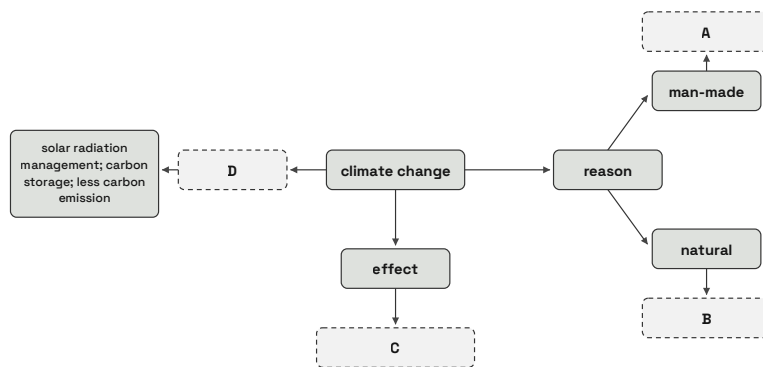
6 Long answers

[8]

Write long answers to the following questions.

a. Study the concept map of climate change and write what belongs in the boxes A, B, C and D.

[4]



b. What measures can be adopted to protect rare animals? Describe any four.

[4]



[4]

Burning one 14.2 kg cylinder of LPG releases about 43 kg of carbon dioxide. Sita's family uses one cylinder a month.

- i. How much carbon dioxide does their cooking release in a year? (2)
- ii. They start cooking half their meals on an electric induction cooker, using Nepal's hydropower. About how much carbon dioxide do they now save in a year? (1)
- iii. Why does the induction cooker add almost no carbon dioxide where it is used in Nepal? (1)

A large grid of graph paper, consisting of 20 columns and 10 rows of squares, intended for drawing a picture.

Answer:

[2]

When the snow and ice on the Himalaya melt, the Earth warms even faster. Explain why.

(not marked)

Find the medicinal plants at home and around your school. Ask an older person how each is used, and fill in the table.

Medicinal plant	Part used	Use
Amala (Indian gooseberry)	fruit	rich in vitamin C; for colds and digestion

Which of these plants is becoming hard to find? Why?

