*Questions 14–18*

Reading Passage 2 has nine paragraphs, **A–I**.

Which paragraph contains the following information?

*Write the correct letter, **A–I**, in boxes 14–18 on your answer sheet.*

***NB*** *You may use any letter more than once.*

**14** a description of the substance responsible for the red colouration of leaves

**15** the reason why trees drop their leaves in autumn

**16** some evidence to confirm a theory about the purpose of the red leaves

**17** an explanation of the function of chlorophyll

**18** a suggestion that the red colouration in leaves could serve as a warning signal

*Questions 19–22*

*Complete the notes below.*

*Choose **ONE WORD ONLY** from the passage for each answer.*

*Write your answers in boxes 19–22 on your answer sheet.*

## Why believe the 'light screen' hypothesis?

- The most vividly coloured red leaves are found on the side of the tree facing the **19** ..... .
- The **20** ..... surfaces of leaves contain the most red pigment.
- Red leaves are most abundant when daytime weather conditions are **21** ..... and sunny.
- The intensity of the red colour of leaves increases as you go further **22** ..... .

*Questions 23–25*

Do the following statements agree with the information given in Reading Passage 2?

*In boxes 23–25 on your answer sheet, write*

| | |
|---|---|
| ***TRUE*** | *if the statement agrees with the information* |
| ***FALSE*** | *if the statement contradicts the information* |
| ***NOT GIVEN*** | *if there is no information on this* |

**23** It is likely that the red pigments help to protect the leaf from freezing temperatures.

**24** The 'light screen' hypothesis would initially seem to contradict what is known about chlorophyll.

**25** Leaves which turn colours other than red are more likely to be damaged by sunlight.

*Question 26*

*Choose the correct letter **A**, **B**, **C** or **D**.*

*Write the correct letter in box 26 on your answer sheet.*

For which of the following questions does the writer offer an explanation?

**A** why conifers remain green in winter
**B** how leaves turn orange and yellow in autumn
**C** how herbivorous insects choose which trees to lay their eggs in
**D** why anthocyanins are restricted to certain trees