

Adiabatic Cooling in the Atmosphere

1 In paragraph 1 the writer uses the word 'may'. He is careful to qualify what he writes in this way because:

- A – He is cautious.
- B – He is a scientist.
- C – He is a photographer.
- D – Pileus clouds form only occasionally.

2 In the first paragraph under figure 1 the writer uses the word 'compressed'. In this context compressed is closest in meaning to:

- A – shrunk
- B – squeezed
- C – narrowed
- D – reduced in volume

3 The words 'more diffuse' in the final paragraph on page 1 could best be replaced by:

- A – less well defined
- B – less solid
- C – more coloured
- D – more confused

4 In the final paragraph on page 1 the writer has the expression 'towards sunset' he means:

- A – looking at the setting sun
- B – shortly before sunset
- C – low in the sky
- D – close to sunset

5 For which two of the following reasons does the writer say that images like those on the album (figure 5) are unusual.

- A – most people do not have cameras.
- B – clouds like these are often short-lived.
- C – clouds like this are rare in Thailand.
- D – people seldom look at the sky.

6 Why does the writer say that the image of the cloud formation in figure 4 is unusual?

- A – There is no wind layer involved.
- B – The cloud formation was short-lived.
- C – The formation is unusual.
- D – Most people do not look at the sky.

7 In the paragraph directly above figure 4 the writer uses the word ‘aloft’. In this context the meaning is closest to:

- A – over the top
- B – upward
- C – skyward
- D – higher

8 Why are engine and aerodynamic trails seldom seen at the same time.

- A – most trails are due to ice in engine exhausts.
- B – aerodynamic trails are rare.
- C – aerodynamic trails are composed of ice crystals.
- D – the conditions for that are unusual.

9 From what the writer says about horseshoe vortex clouds you might expect to see one:

- A – several times a year.
- B – often: if you looked for them frequently.
- C – occasionally: if you knew what to look for.
- D – once in a lifetime.

10 After having read the article, the writer could be described as which two of the following:

- A – a photographer
- B – a scientist
- C – an engineer
- D – a mathematician