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Level 4 – 9th May, 2020

Scientists say cold air rises

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<https://breakingnewsenglish.com/2005/200509-cold-air-4.html>

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Please try Levels 5 and 6. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2005/200509-cold-air-4.html>

We learn that warm air rises and cool air sinks. This is basic science. A new study found circumstances in which cool air rises in tropical areas. Cold air rises because of the lightness of water vapour. In humid climates, water particles become lighter and help cool air rise. A researcher said: "Water vapour has a buoyancy effect which helps release the heat of the atmosphere to space and reduce the degree of warming."

Scientists say humid air is lighter than dry air at the same temperature. Cooler air with water droplets rises to make clouds and storms. Rain cools tropical areas. More research is needed to find out how rising cool air affects global warming. A researcher said: "Now that we understand how the lightness of water regulates tropical climate, we plan to study whether global climate models accurately represent this effect."

Sources: <https://www.sciencedaily.com/releases/2020/05/200506162159.htm>
<https://phys.org/news/2020-05-cold-air-riseswhat-earth-climate.html>
<https://advances.sciencemag.org/content/6/19/eaba1951>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2005/200509-cold-air-4.html>

PARAGRAPH ONE:

- | | |
|------------------------------------|-------------------|
| 1. warm air rises and cool | a. particles |
| 2. circumstances in which cool air | b. the atmosphere |
| 3. the lightness of water | c. air sinks |
| 4. water | d. of warming |
| 5. become lighter and help | e. rises |
| 6. Water vapour has a buoyancy | f. cool air rise |
| 7. release the heat of | g. effect |
| 8. reduce the degree | h. vapour |

PARAGRAPH TWO:

- | | |
|------------------------------|-------------------------------|
| 1. humid air is lighter | a. areas |
| 2. at the same | b. effect |
| 3. water | c. temperature |
| 4. Rain cools tropical | d. regulates tropical climate |
| 5. Now that we | e. models |
| 6. the lightness of water | f. than dry air |
| 7. global climate | g. understand how |
| 8. accurately represent this | h. droplets |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2005/200509-cold-air-4.html>

We (1) _____ air rises and cool air sinks. This (2) _____. A new study found circumstances in which cool air (3) _____ areas. Cold air rises because of the lightness of water vapour. In humid climates, water (4) _____ and help cool air rise. A researcher said: "Water vapour has (5) _____ which helps release the heat of the atmosphere to space and reduce the (6) _____."

Scientists say humid (7) _____ than dry air at the same temperature. Cooler air with water (8) _____ make clouds and storms. Rain (9) _____. More research is needed to find out how (10) _____ affects global warming. A researcher said: "Now that we understand how the (11) _____ regulates tropical climate, we plan to study whether global climate models accurately (12) _____."

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2005/200509-cold-air-4.html>

We learn that warm air rises and cool air sinks. This is basic science. A new study found circumstances in which cool air rises in tropical areas. Cool air rises because of the lightness of water vapour. In humid climates, water particles become lighter and help cool air rise. A researcher said: "Water vapour has a buoyancy effect which helps release the heat of the atmosphere space and reduce the degree of warming." Scientists say humid air is lighter than dry air at the same temperature. Cooler air with water droplets rises to make clouds and storms. Rain cools tropical areas. More research is needed to find out how rising cool air affects global warming. A researcher said: "Now that we understand how the lightness of water regulates tropical climate, we plan to study whether global climate models accurately represent this effect."

COLD AIR SURVEY

From <https://breakingnewsenglish.com/2005/200509-cold-air-4.html>

Write five GOOD questions about cold air in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

	STUDENT 1 _____	STUDENT 2 _____	STUDENT 3 _____
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

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WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

