**Article Summary** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_

<https://www.sciencenewsforstudents.org/article/hotter-air-may-lead-planes-carry-fewer-passengers>

Read the article carefully, and answer the following questions about it:

1. What is the article title?

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1. What is the name of the author?

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1. In the opening paragraph, what does the author say about planes getting off the ground in hot weather?

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1. Why would this make flying more expensive for passengers?

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1. Why is global warming happening?

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1. What happens to air when it is warmer?

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1. How does your answer in questions 6 affect the lift generated by the airplane’s wings as it is trying to take off?

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1. As global temperatures continue to rise, what number of flights might have to be made less heavy?

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1. How are airplanes made less heavy?

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1. How many fewer passengers might a 160-passenger aircraft be able to carry on very hot days?

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Glossary/Power words:

1. What is climate?

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1. What is the atmosphere?

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1. What is global warming?

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1. What is carbon dioxide and how does it affect atmospheric temperatures?

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1. Besides carbon dioxide, what is another greenhouse gas?

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1. What is lift, in the context of aviation?

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Your ideas:

1. How do you think citizens can help to reduce global warming? List your ideas:

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1. How can industry help to reduce global warming? List your ideas:

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