

Unit 2

Name:

Date:

2-1: Properties of Air



Discover: What are the Properties of Air

Question

What are the properties of air?

Instructions

A. Answer the following questions:

1. List the gases that make up the air in our atmosphere. (/3 marks)

2. Provide two examples or evidence that show air (wind) exists. (/2 marks)

B. Experiments

3. Provide evidence that air takes up space. (Note, you may refer to the video Grade 6 Flight Unit) <https://youtu.be/PuVkw9DlguC>.

- a. What experiment did you complete to show air takes up space? (/1 mark)

- b. What materials did you use in this experiment to show air takes up space? (/2

marks)

- c. What observations did you make in this experiment to show air takes up space?
You may provide pictures of the experiment. (/2 marks)

- d. What results did you find in your experiment? (/1 mark)

3. Provide evidence that air exerts pressure. (Note, you may refer to the video Grade 6 Flight Unit) <https://youtu.be/PuVkw9DIguc>.

- a. What experiment did you complete to show air exerts pressure? (/1 mark)

- b. What materials did you use in this experiment to show air exerts pressure? (/2 marks)

- c. What observations did you make in this experiment to show air exerts pressure?
You may provide pictures of the experiment. (/2 marks)

- d. What results did you find in your experiment? (/1 mark)

4. Provide evidence that air is a fluid. (Note, you may refer to the video Grade 6 Flight Unit) <https://youtu.be/PuVkw9DIguc>.

a. What experiment did you complete to show air is a fluid? (/1 mark)

b. What materials did you use in this experiment to show air is a fluid? (/2 marks)

c. What observations did you make in this experiment to show air is a fluid? You may provide pictures of the experiment. (/2 marks)

d. What results did you find in your experiment? (/1 mark)

5. Provide evidence that air can be compressed. (Note, you may refer to the video Grade 6 Flight Unit) <https://youtu.be/PuVkw9DIguc>.

a. What experiment did you complete to show air can be compressed? (/1 mark)

b. What materials did you use in this experiment to show air can be compressed? (/2 marks)

c. What observations did you make in this experiment to show air can be compressed? You may provide pictures of the experiment. (/2 marks)

d. What results did you find in your experiment? (/1 mark)

6. How can the properties of air be used in everyday applications? Provide one example. (/1 mark)

Total: /24 marks



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Save your Table to your Air Notebook folder. Name your file with your name (jsmith) in this format: (yournamehere)sc6-2-1-air. Submit your completed assessment to the submission folder.