



## Activity 17: Lighter Than Air

### Question

How can hot air balloons float on air?

### Resource

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Access the website link from the online course.

- [Buoyancy](#)

### Instructions

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- 1 Go to the **Buoyancy** website and summarize the major ideas and answer the questions on the **Note-Taking Organizer**.
- 3 On the buoyancy website, click the "inflate balloon" button and record what happens.
- 4 Click the "watch a video" link on the buoyancy website to see the **Lift: Lighter than Air** video and use the information to help you answer the questions in your organizer.

### Note-Taking Organizer: Lighter than Air

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**Topic:** (What is the website about?)

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Main Ideas: Complete the chart	
Buoyancy	
1. What is buoyancy?	
2. What makes a hot air balloon float?	
Click "Inflate Balloon"	
3. Why does the balloon start to rise?	
4. Why does the balloon stop rising?	

**Lift: Lighter than Air**

(watch the **video**: <http://howthingsfly.si.edu/media/lift-lighter-air-aircraft>)

5. What happens when the balloon is filled with cold air?

6. What happens when the balloon is filled with hot air? Why?

7. Why did the balloon fall down?