 Activity 6: Air as a Fluid

**Question**

How does air behave like a fluid?

**Resources**

Access the website links from the online course or click on the links below.

 [Pouring Air](https://www.pbslearningmedia.org/resource/phy03.sci.phys.matter.zbubble/density-and-buoyancy-pouring-air-into-water/#.WdKJZltSzIU)   [Jet Flow](http://www.jsme-fed.org/experiment-e/2014_2/001.html)

* [Seeing Air](https://youtu.be/lSFwH0BVd3Q)

**Instructions**

**1.** Watch the video **Pouring Air.**

**2.** Answer the questions in the **Observation Table** on the following page.

**3.** Watch the video **Seeing Air**.

**4.** Answer the questions in the **Observation Table** on the following page.

**Observations Table**

|  |  |
| --- | --- |
| **Questions** | **Observations** |
| 1 a. What was in the cups when they were first placed underwater?  **Need a Hint?** What was in the “bubble”? |  |
| 1 b. What happens when the cup full of water is tilted towards the cup full of air? |  |
| 2 a. What happens when air comes in contact with an object? (For example a dog sniffs a vial of scent? Or, you blow dry your hair or your breath comes in contact with an icecream cone?) |  |

**Conclusion**

Answer the question below by selecting the correct word from the options in the conclusion statements.

**How does air behave like a fluid?**

**1** Air can be from one cup into another.

pressure, spread, compressed, poured, around

**2** Air flows an object.

pressure, spread, compressed, poured, around