

# What is a Fluid??

Name: \_\_\_\_\_

What is a Fluid??

Definition:

In my own words...

Here are some examples of fluids:

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How do fluids relate to Flight?

# Does Air Have Volume?

Define **Volume**.

**Hypothesis:** Do you think air takes up space?

<b>Description</b> of experiment #1	<b>Drawing</b> of experiment #1
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<b>Description</b> of experiment #2	<b>Drawing</b> of experiment #2
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What did you **discover**?

Explain how air's volume affects a **basketball**.

# Does Air Exert Pressure?

What does **Exert Pressure** mean?

**Hypothesis:** Do you think air exerts pressure?

<b>Description</b> of experiment #1	<b>Drawing</b> of experiment #1
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<b>Description</b> of experiment #2	<b>Drawing</b> of experiment #2
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What did you **discover**?

Explain how air pressure makes a **parachute** work.

# Does Air Have Mass & Weight?

Define **Weight**.

**Hypothesis:** Do you think air has weight?

<b>Description</b> of experiment #1	<b>Drawing</b> of experiment #1
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<b>Description</b> of experiment #2	<b>Drawing</b> of experiment #2
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What did you **discover**?

Explain why people **don't float** on earth.

# Does Air Flow Around Objects?

**Hypothesis:** Do you think air flows around objects?

<b>Description</b> of trial #1	<b>Drawing</b> of trial #1
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<b>Description</b> of trial #2	<b>Drawing</b> of trial #2
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<b>Description</b> of trial #2	<b>Drawing</b> of trial #2
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What did you **discover**?

Explain how **drafting** (driving behind another car) works!

# Does Air React to Temperature?

Define **Temperature**.

**Hypothesis:** Do you think air is affected by temperature?

<b>Description</b> of experiment #1	<b>Drawing</b> of experiment #1
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<b>Description</b> of experiment #2	<b>Drawing</b> of experiment #2
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What did you **discover**?

Explain why **car tires** are more flat in the winter?