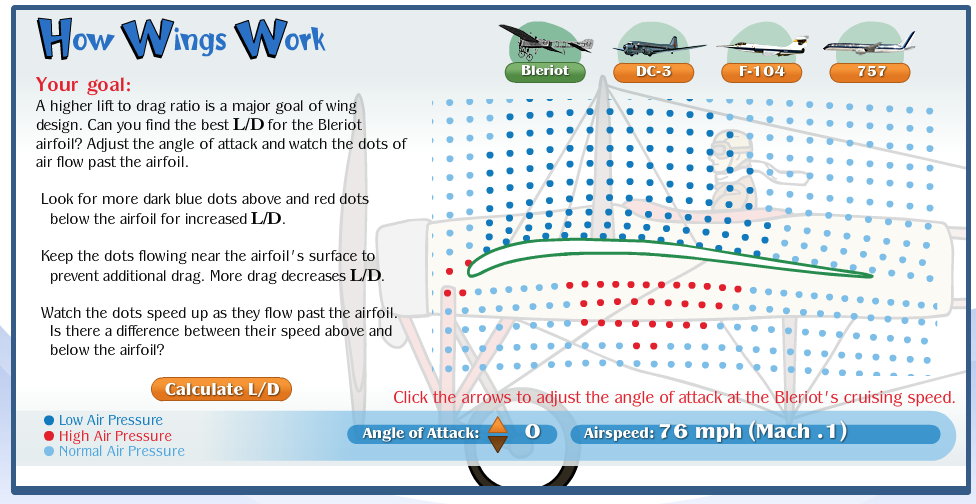
Experiment with lift by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



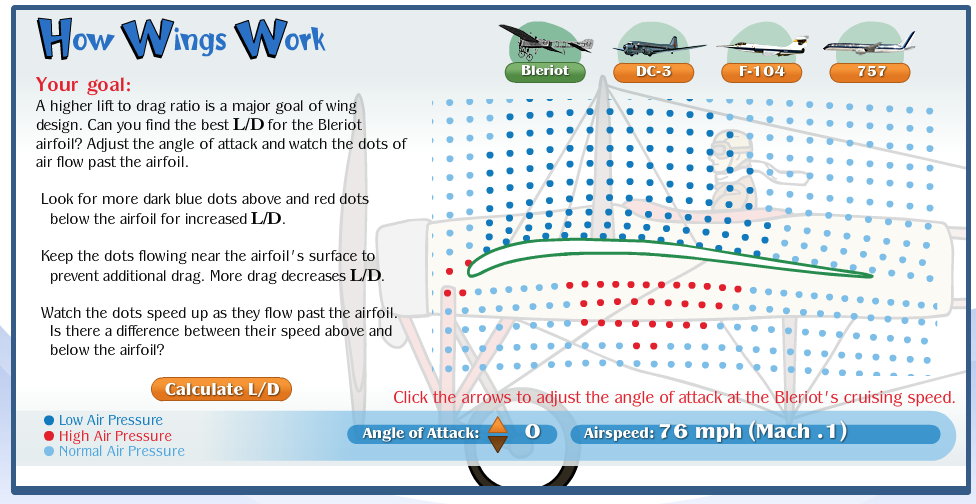
Go to this site. <http://howthingsfly.si.edu/activities/how-wings-work> . Don’t use Chrome, it needs to use Flash to work.

Choose 2 different wings and describe what angle of attack made the best lift to drag ratio.

|  |  |
| --- | --- |
| Which wing: | Which wing: |
| What angle of attack was best? | What angle of attack was best? |

Describe what the airflow looks like when a plane is flying efficiently.

Experiment with lift by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



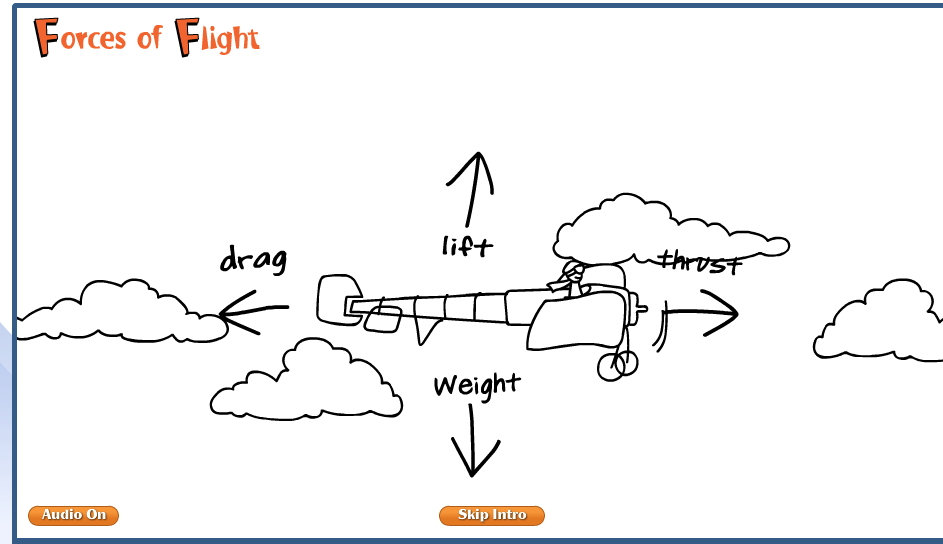
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|  |  |
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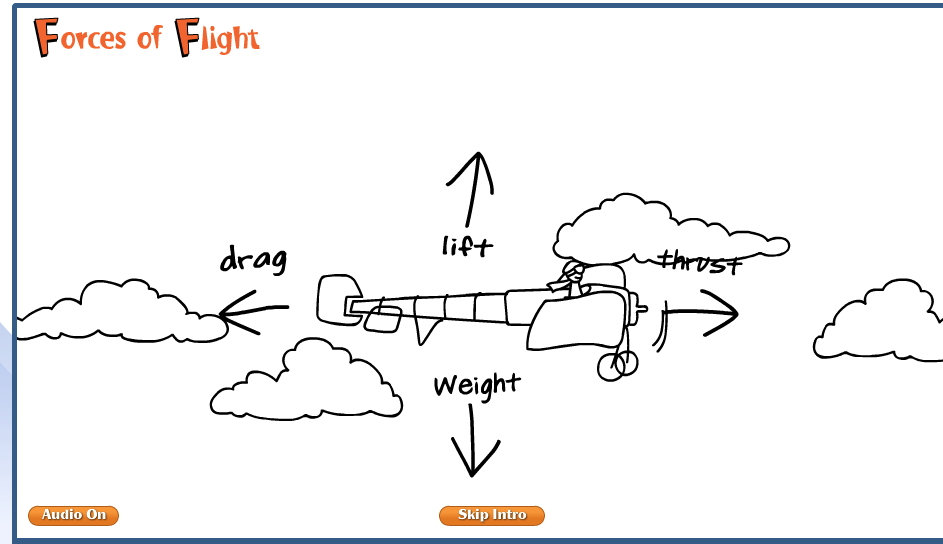
Describe what the airflow looks like when a plane is flying efficiently.

Go to this site <http://howthingsfly.si.edu/activities/forces-flight>

   
Design the highest flying plane you can.

|  |  |
| --- | --- |
| What lift did you use? |  |
| What drag did you use? |  |
| What thrust did you use? |  |
| What weight did you use? |  |
| How high did the plane fly? |  |

Go to this site <http://howthingsfly.si.edu/activities/forces-flight>

   
Design the highest flying plane you can.

|  |  |
| --- | --- |
| What lift did you use? |  |
| What drag did you use? |  |
| What thrust did you use? |  |
| What weight did you use? |  |
| How high did the plane fly? |  |