



**NEW ENGLAND  
AIR MUSEUM**

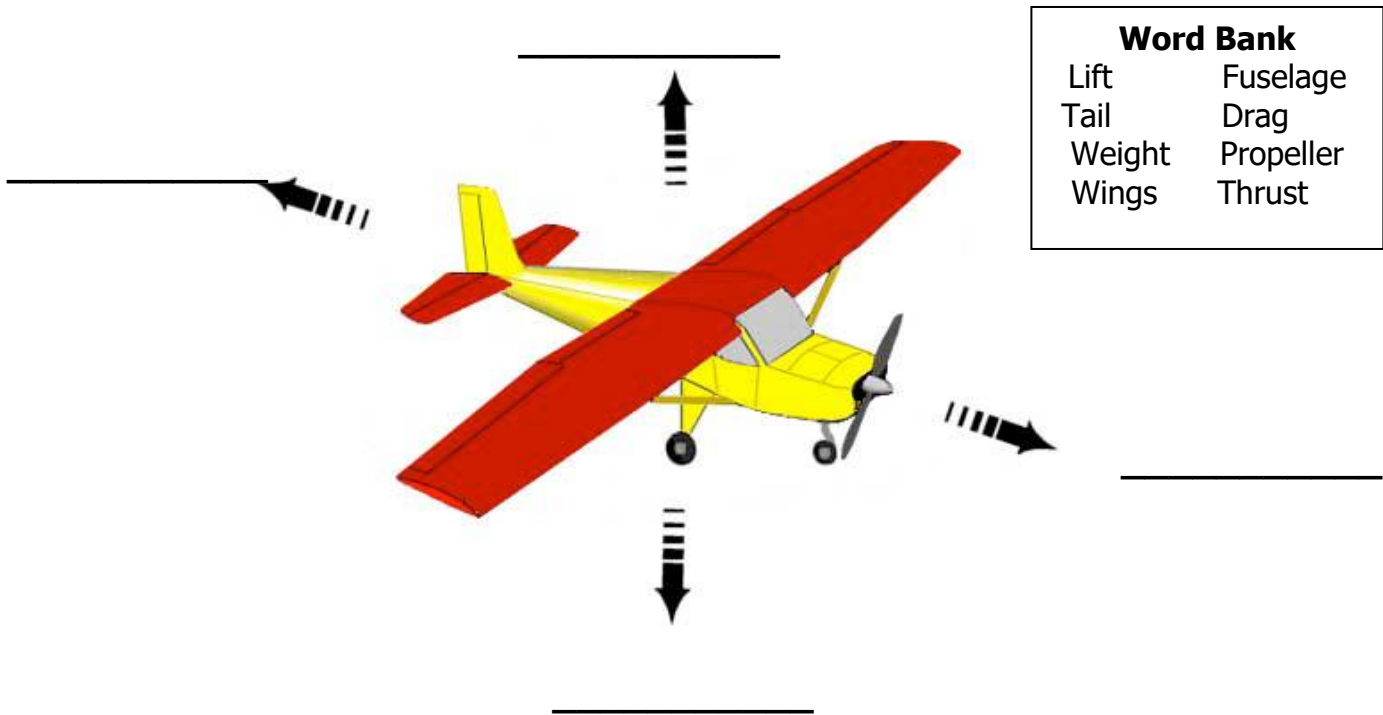
## **SOAR for Science: Airplanes, Forces & Motion Grade 3-5 Pre-Visit Assessment**

**First Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**School:** \_\_\_\_\_

Label the four forces of flight that act on an airplane on the diagram using the word bank.



1. Weight (the measurement of gravity) is an example of what type of force? **Push** or **Pull**
2. Lift is an example of what type of force? **Push** or **Pull**
3. Drag is an example of what type of force? **Push** or **Pull**
4. Thrust is an example of what type of force? **Push** or **Pull**
5. An airplane's wings create what force? \_\_\_\_\_
6. An airplane's jet engine or propeller creates what force? \_\_\_\_\_