Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_

On a separate sheet of paper answer the following questions.

1. Why is air considered to be a fluid?

1. Which way do forces move when high air pressure is close to low air pressure?
2. Explain why a propeller driven aircraft cannot move by themselves in outer space (vacuum)?
3. A true wing for air flight must be in the shape of an airfoil. Draw the shape and discuss what gives it lift.
4. Describe the Bernoulli Effect. What does it have to do with air flight?
5. Aircraft lift can be explained also with **one** of Newton’s 3 laws. Which one is it and what is the logic?
6. How do we travel (accelerate- speed up, slow down, turn) in outer space?