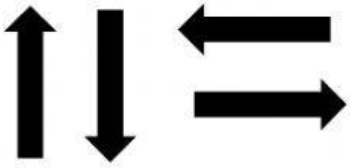
Forces Affecting Flight

1. Position the arrows in the correct location to indicate what direction each force is acting.



GRAVITY

THRUST



DRAG

LIFT

2. Complete the following sentences:

- Gravity and _____ work against each other.
- Drag is the force that _____ the movement of an object.
- Thrust must be greater than _____ for a flyer to move forward.
- Lift must _____ as the weight of the flyer increases.

3. Read pages 12 - 13 in your textbook. Answer the following questions:

LIVEWORKSHEETS

Forces Affecting Flight

What causes lift?

Describe the relationship between the weight of an object and lift.

What happens when lift and weight are balanced or equal?

What part of an airplane is responsible for creating the most lift?

List some factors that can affect how much lift a plane's wings can produce.

What does it mean when an object is aerodynamic?

LIVEWORKSHEETS