

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

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

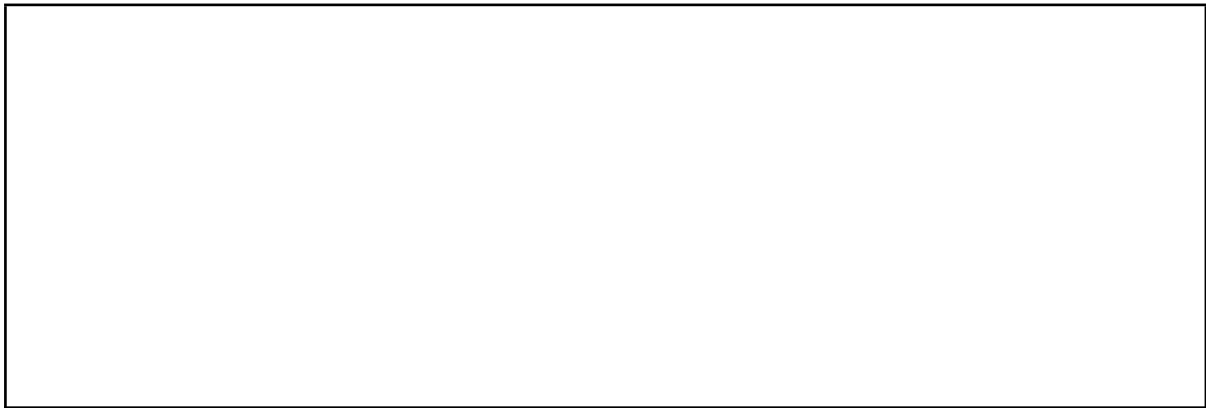
## Four Forces of Flight

Fill out these questions as you listen to the presentation!

### Weight

1. What effect do weight and gravity have on an object?

2. Draw an example below! Use arrows to show the force of gravity, and clearly label the objects in your diagram.



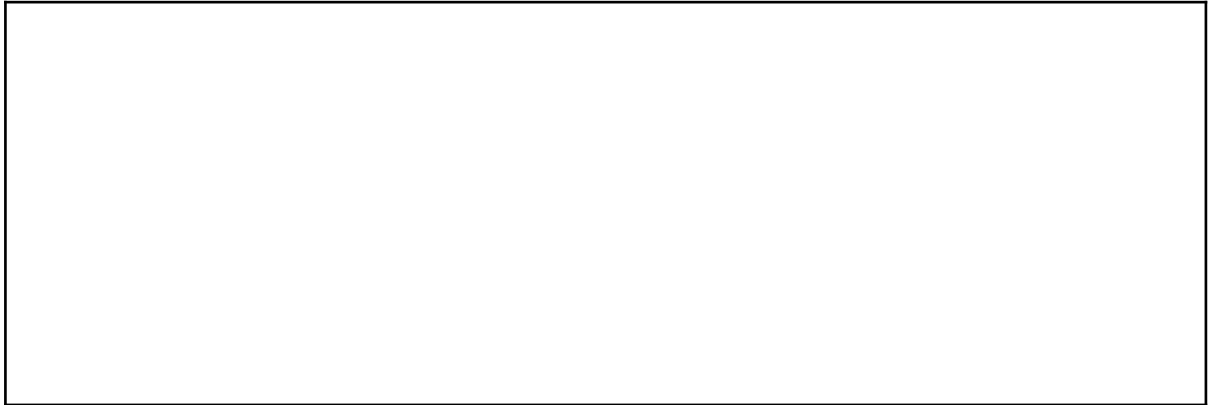
3. What's the difference between weight and gravity?

4. Why do aircraft need to be careful about their weight?

## Lift

1. What does lift do? What is its relationship with weight?

2. Draw another example! Same rules as last time.



3. What makes some objects easier to lift than others?

4. Why do aircraft need lift to fly?

## Drag

1. What's the deal with drag? How does it influence an object?

2. Draw your example! Remember to include arrows and labels, just as before.



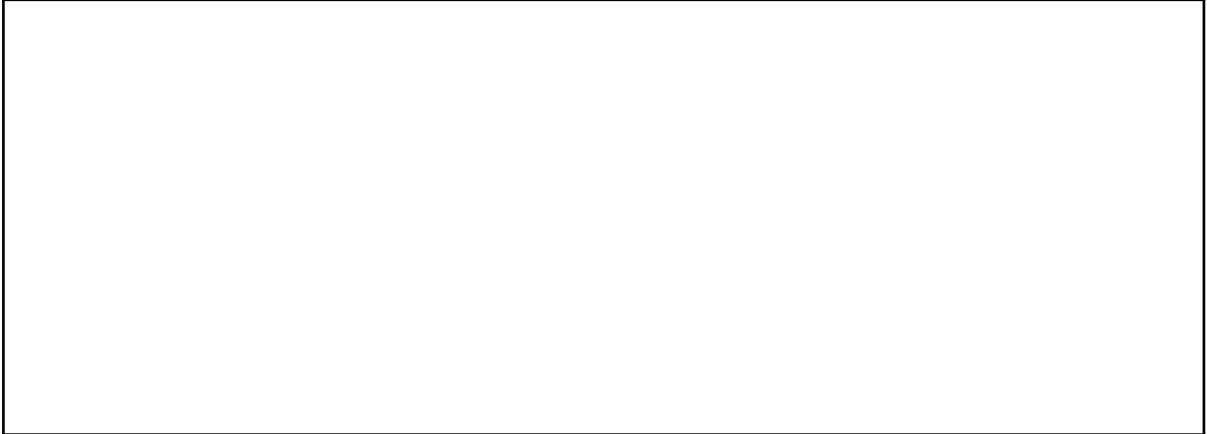
3. Why might drag make things more difficult for an aircraft?

4. How might the shape of an object influence the amount of drag it has?

## Thrust

1. What does it do?

2. Final drawing! Get creative with this one.



3. Why do jet engines have thrust and not gliders?

4. Can you name another object that uses thrust?