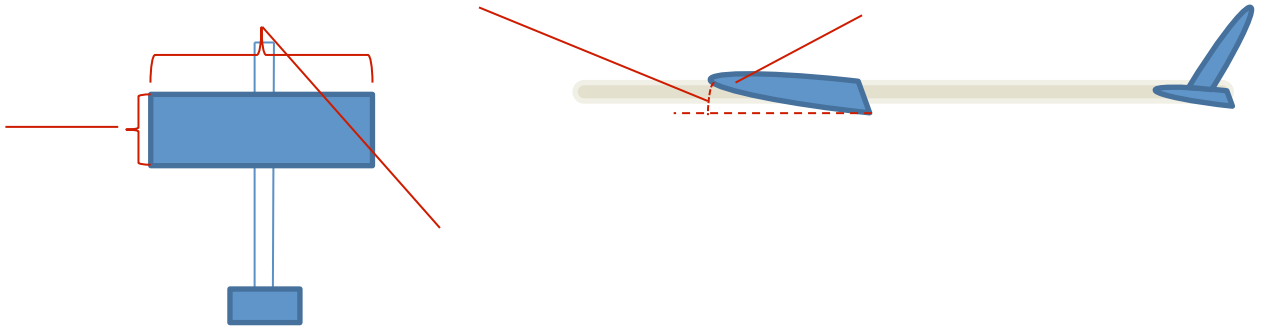


Exploring Aerospace Lesson One Assessment

1. In the space provided below draw a diagram of the side view of an airplane. Label the four forces discussed in class.

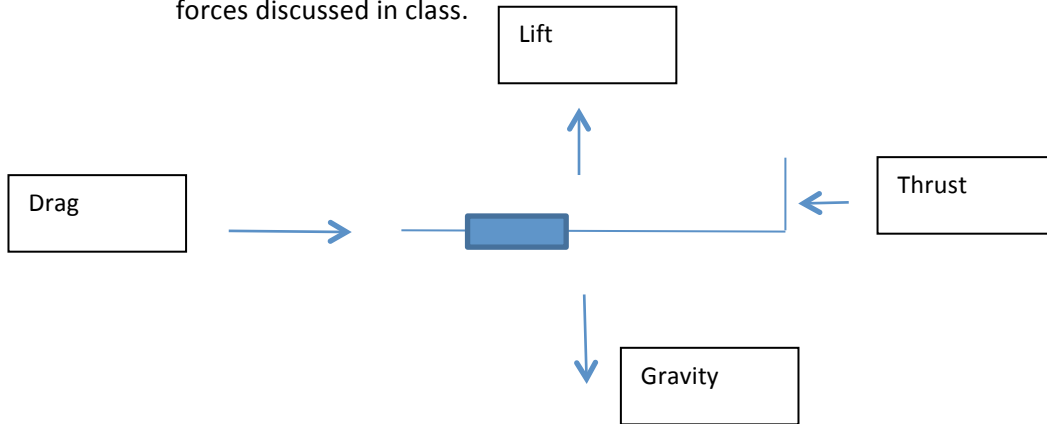
2. Label the sketches below using the terms wing span, wing chord, angle, and camber.



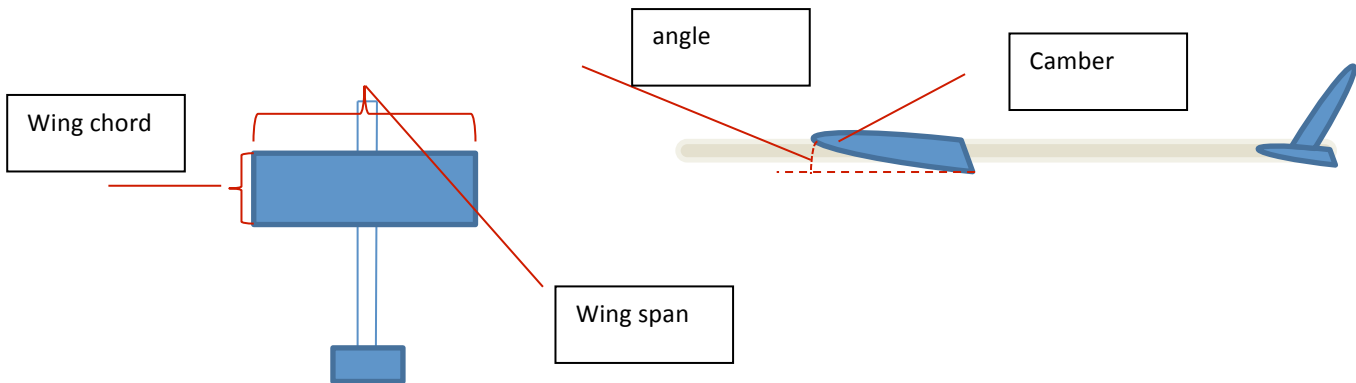
3. The glider you designed has a wing span of 52 square cm. If the plane weighs 19 grams, what is the wing loading? Show all work.

Lesson One Assessment Answers

1. In the space provided below draw a diagram of the side view of an airplane. Label the four forces discussed in class.



2. Label the sketches below using the terms wing span, wing chord, angle, and camber.



3. The glider you designed has a wing span of 52 square cm. If the plane weighs 19 grams, what is the wing loading? Show all work.

$$19 \text{ grams} / 52 \text{ sq. cm.} = .36 \text{ grams} / \text{sq. cm.}$$