

NAME _____

Activity 1.2.1 Aircraft Control Surfaces and Components

1. For the following image
What part of the aircraft is shown? _____



For each numbered section, what is it and describe its function.

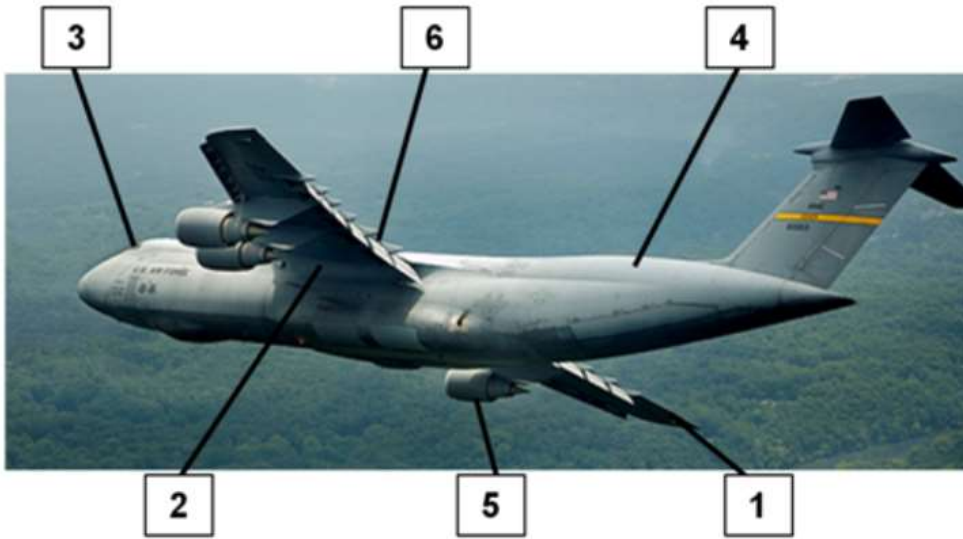
1.

2.

3.

4.

2.



For each numbered section, what is it and describe its function.

1.

2.

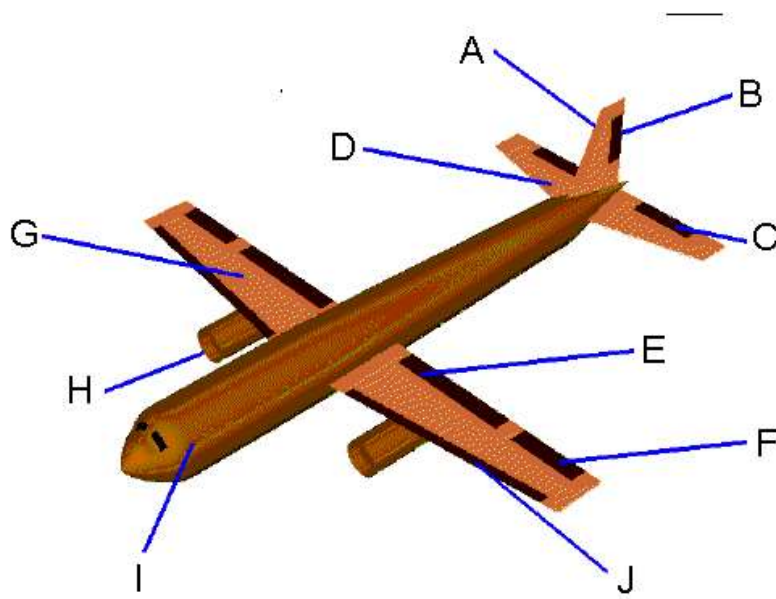
3.

4.

5.

6.

What is the name of all of the parts of the aircraft in the image below?



A. _____

B. _____

C. _____

D. _____

E. _____

F. _____

G. _____

H. _____

I. _____

J. _____

Describe the following aircraft motions.

1. Pitch: _____
 2. Roll: _____
 3. Yaw: _____
 4. Loop: _____
 5. Dive: _____
 6. Climb: _____
 7. Lift: _____
-
8. Which parts are used to control lift at low speed for takeoff and landing?
 9. Which parts, installed one to each wing, operate in opposite directions (i.e., one up and one down)?
 10. If the part in the previous question on the right wing is up and the one on the left wing is down, what will the airplane do?
 11. If the pilot lowers the elevator, what will the airplane's tail do?

12. From the previous question, What will this in turn cause the airplane's nose to do?

13. If the pilot moves the rudder to the left, what will the airplane's tail do?

14. From the previous question, What will this in turn cause the airplane's nose to do?

15. What airplane motion will occur with the elevator deflected up and the rudder deflected to the right?

16. What is a spoiler?