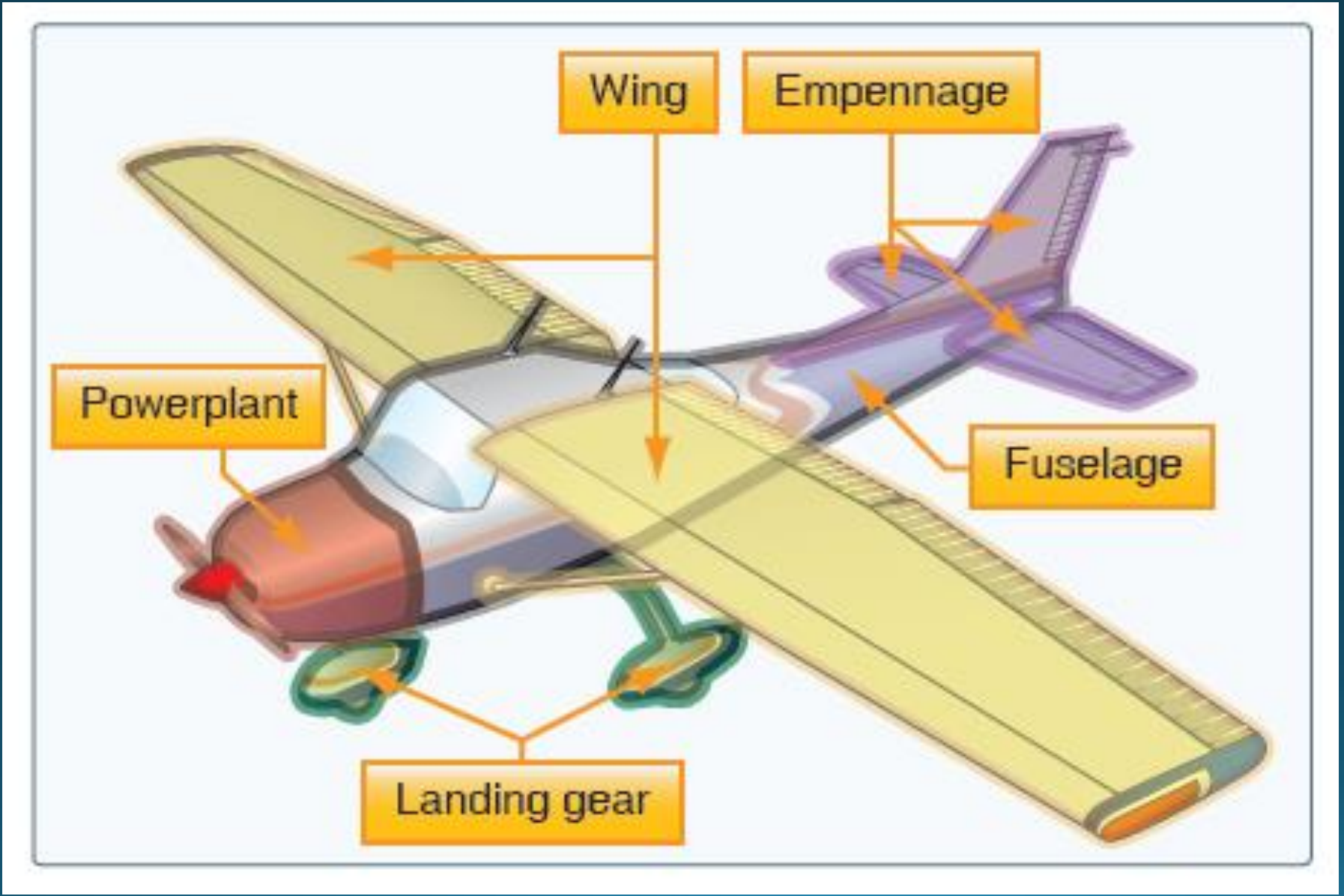
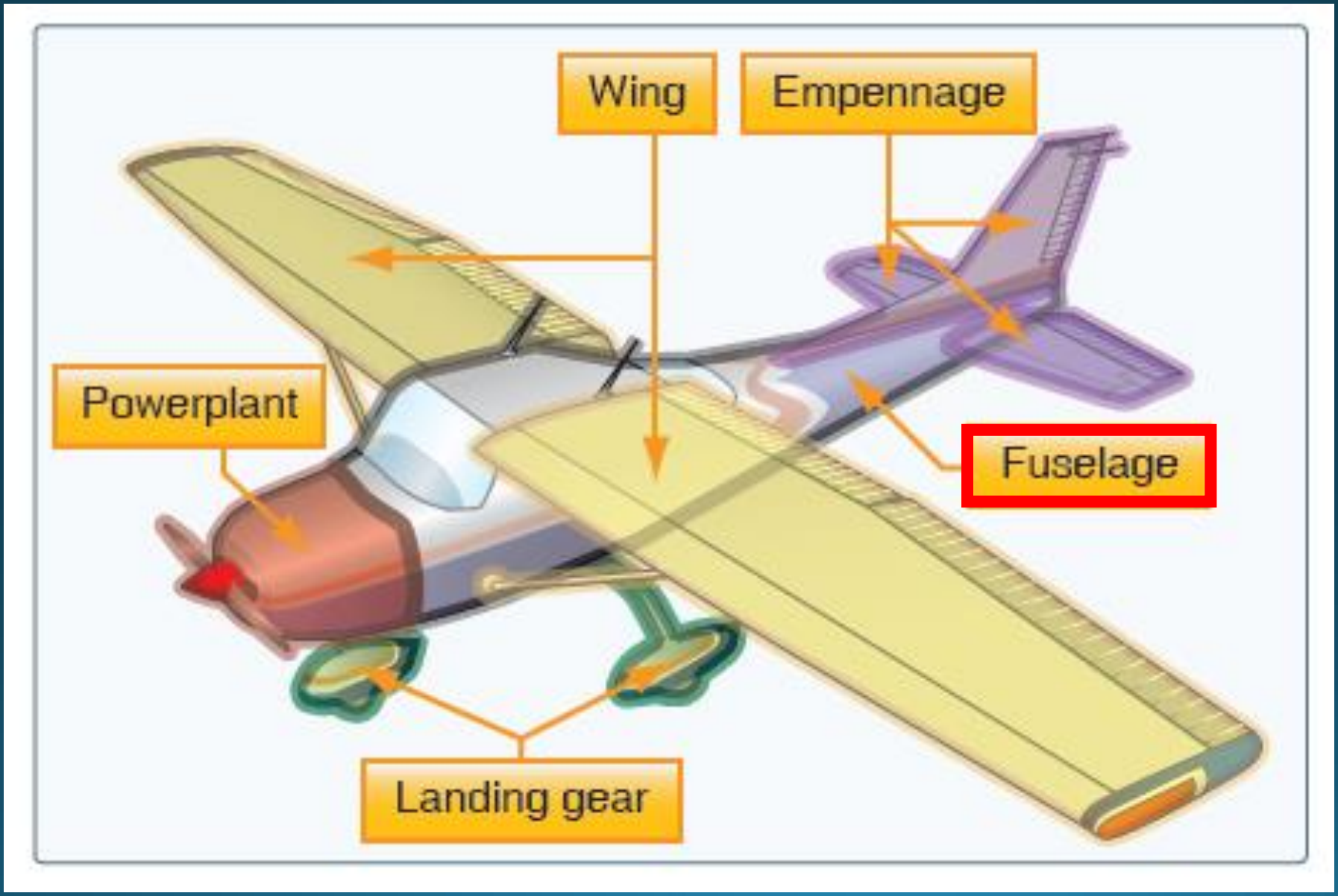
Getting to Know
Your Airplane

Airplane Components

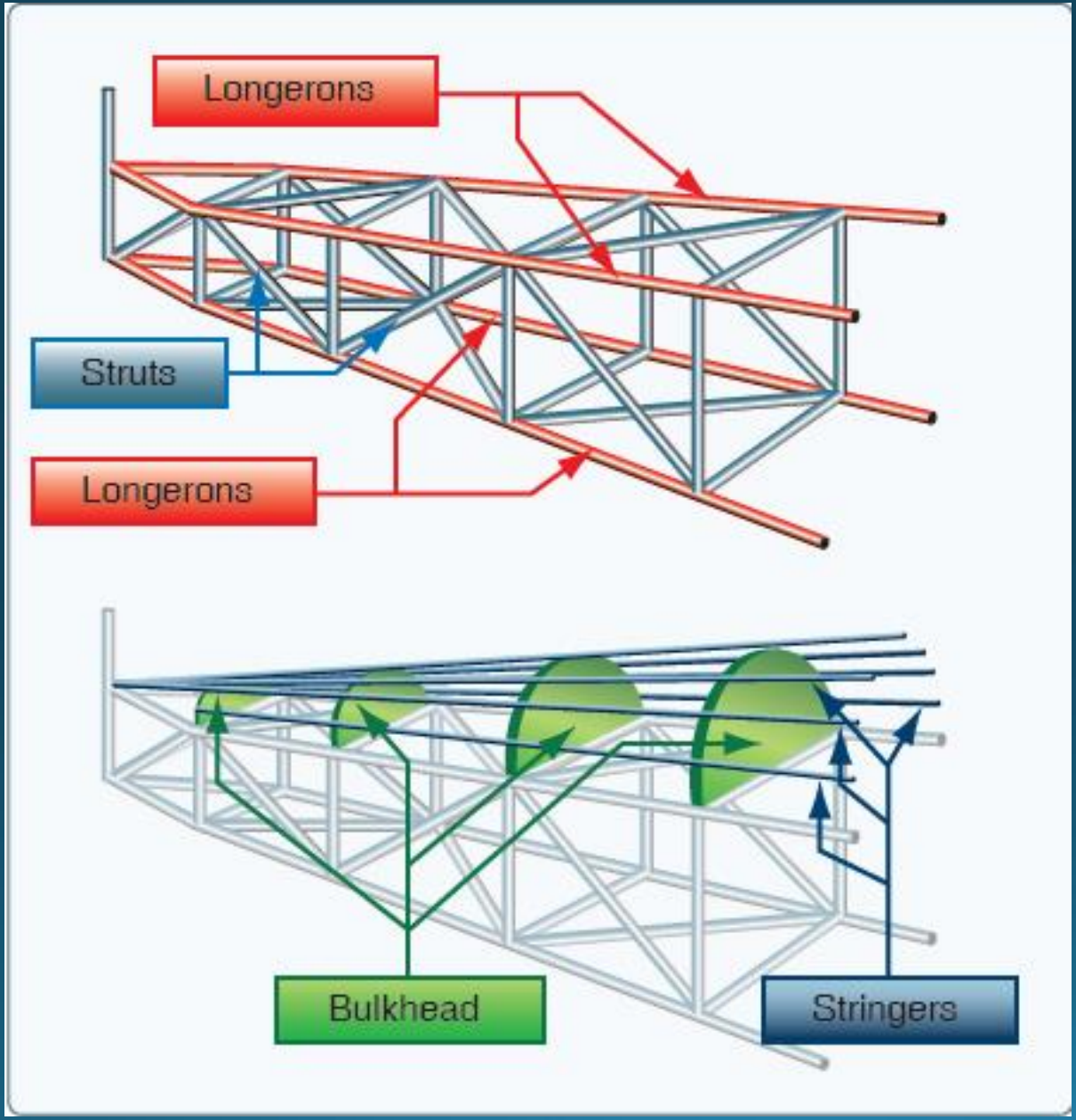
Basic Airplane Components



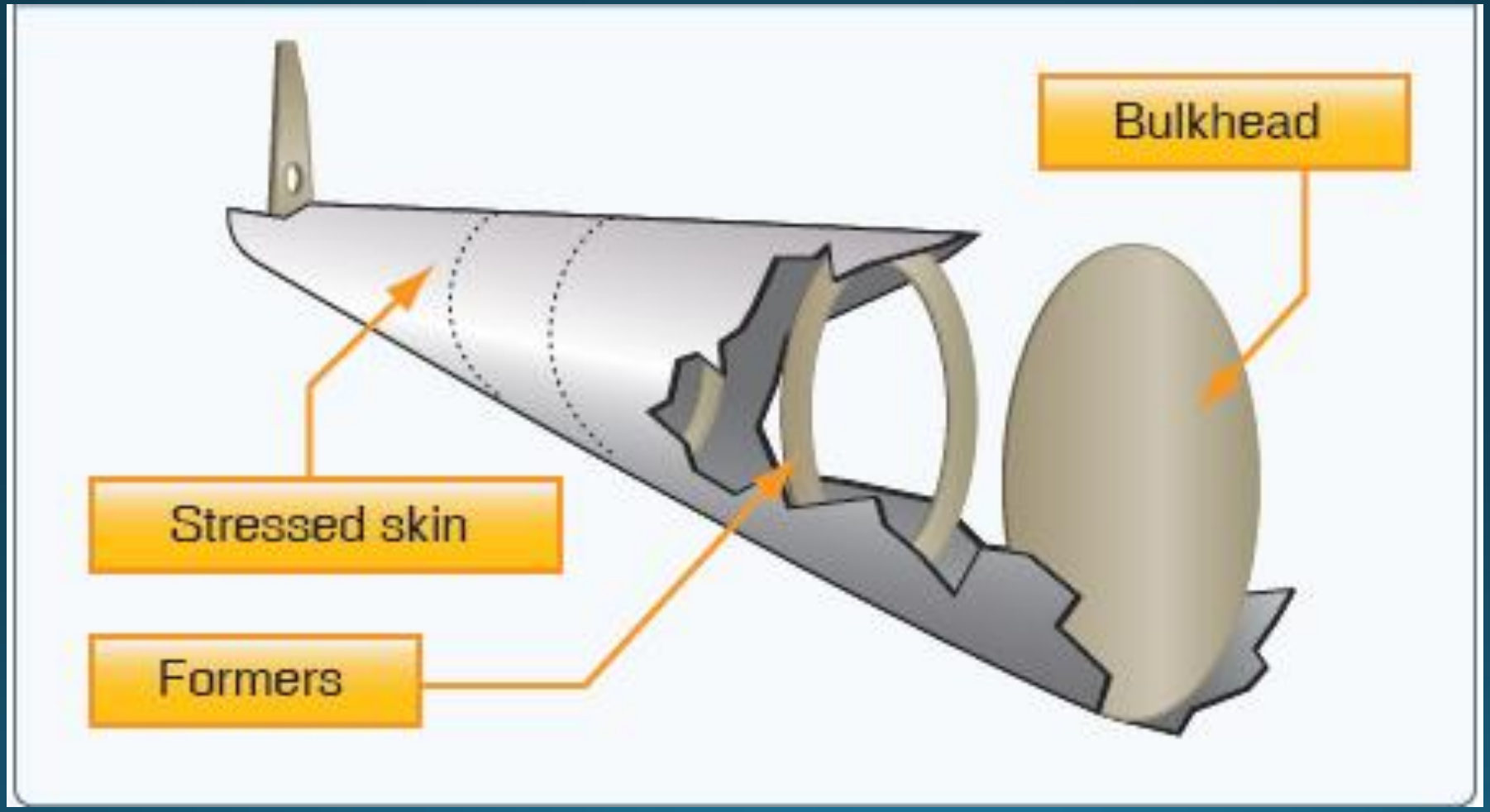
Basic Airplane Components



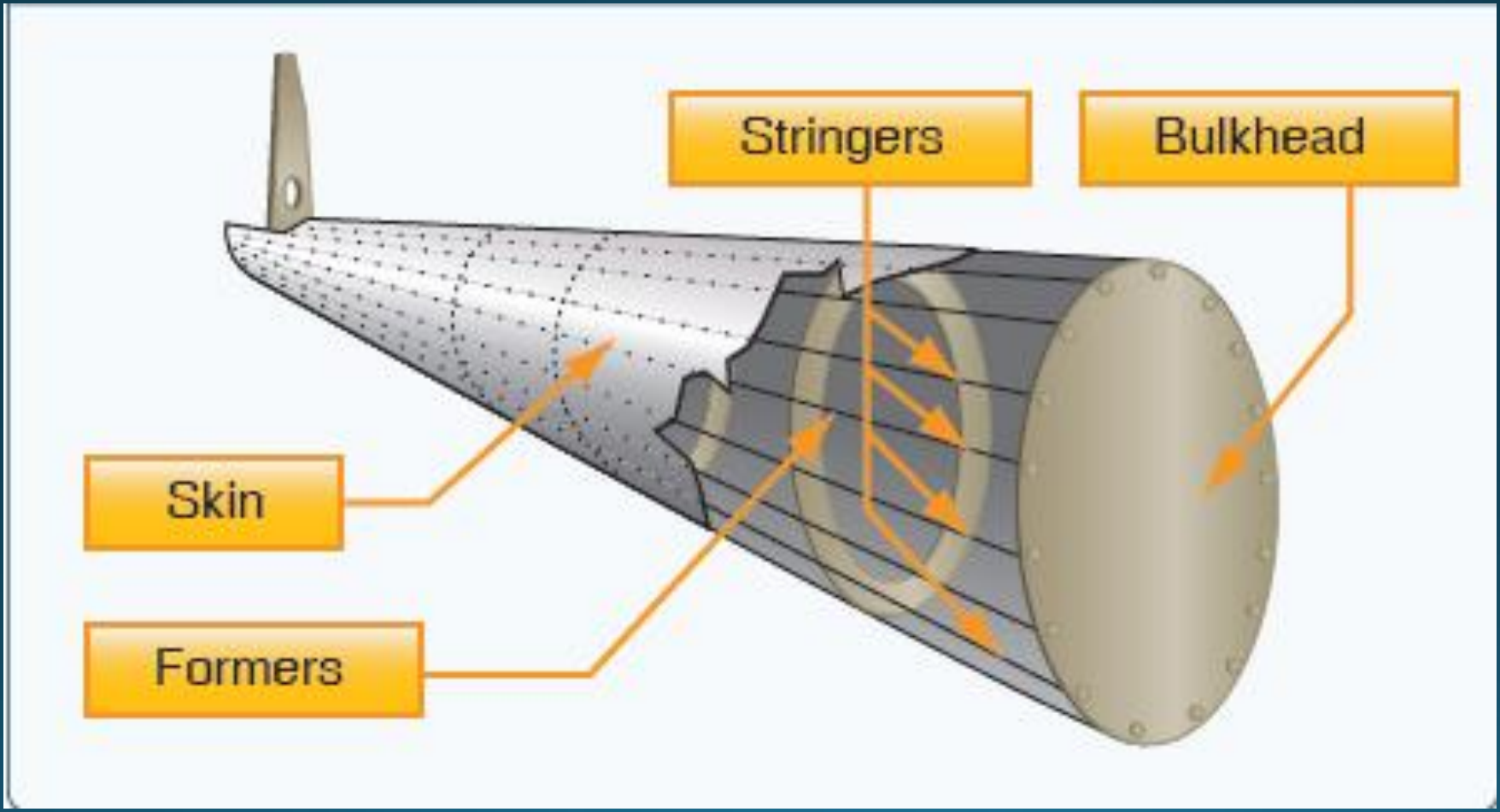
Older Fuselage Design



Modern Fuselage: Monocoque



Modern Fuselage:Semi-monocoque



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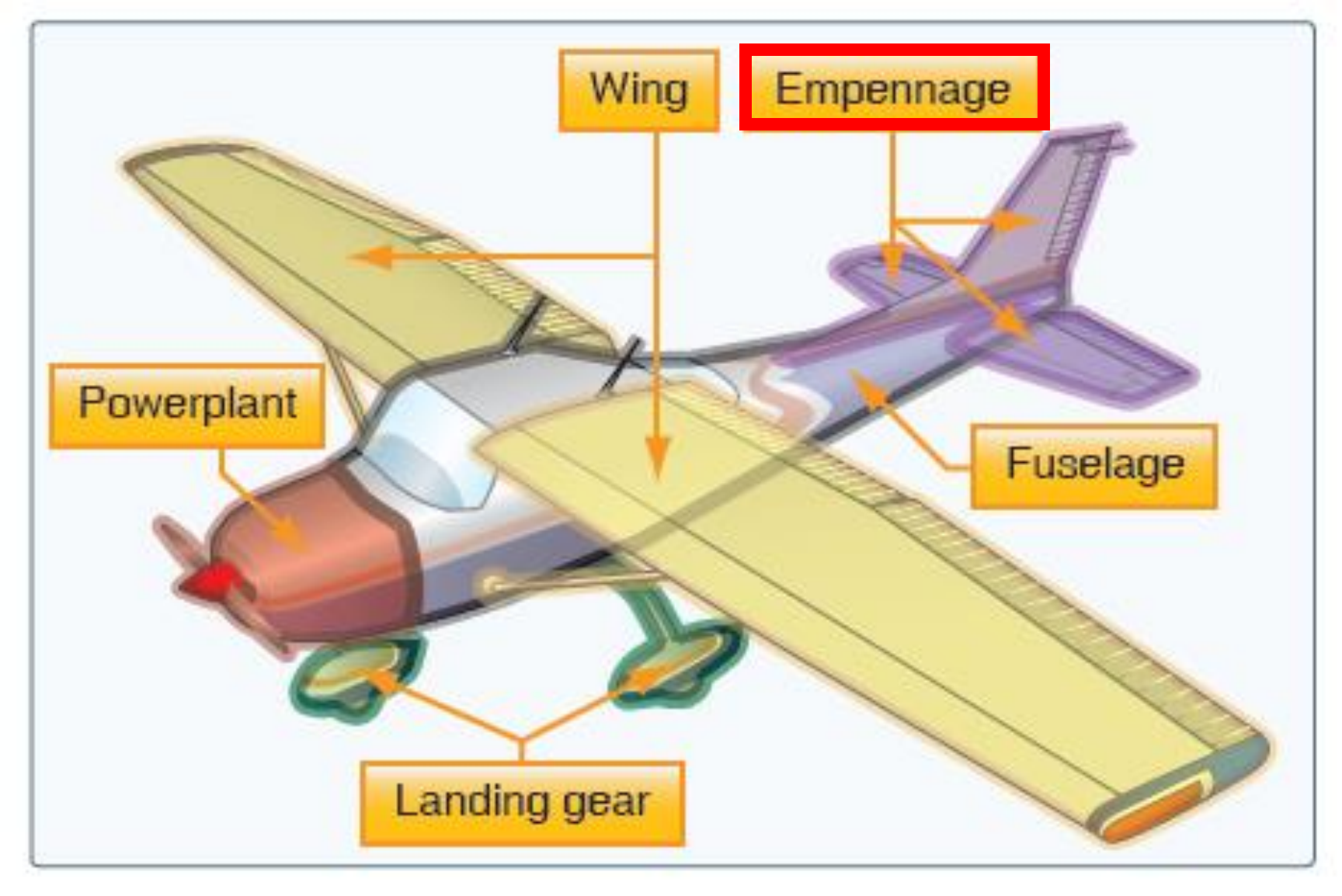
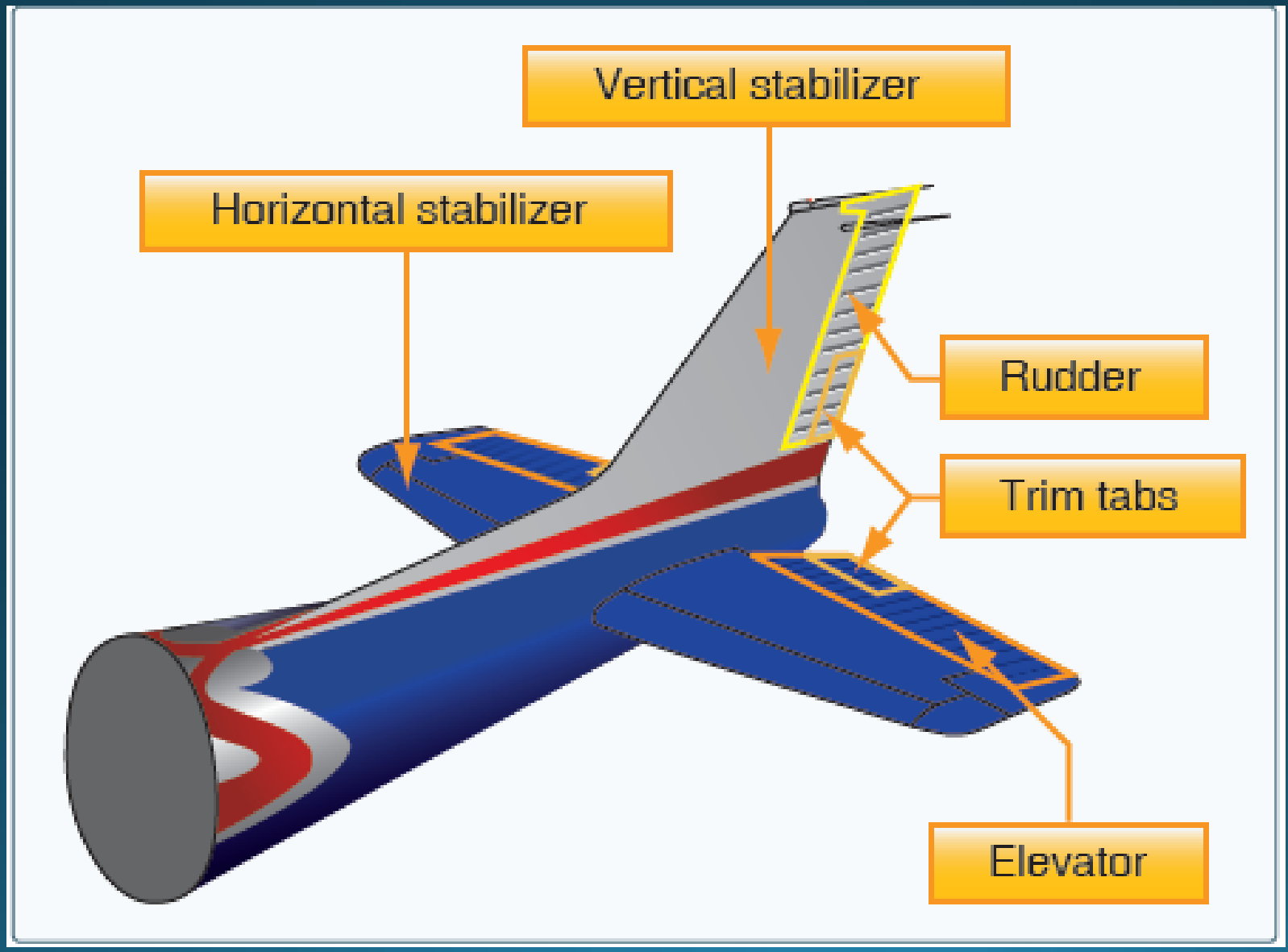
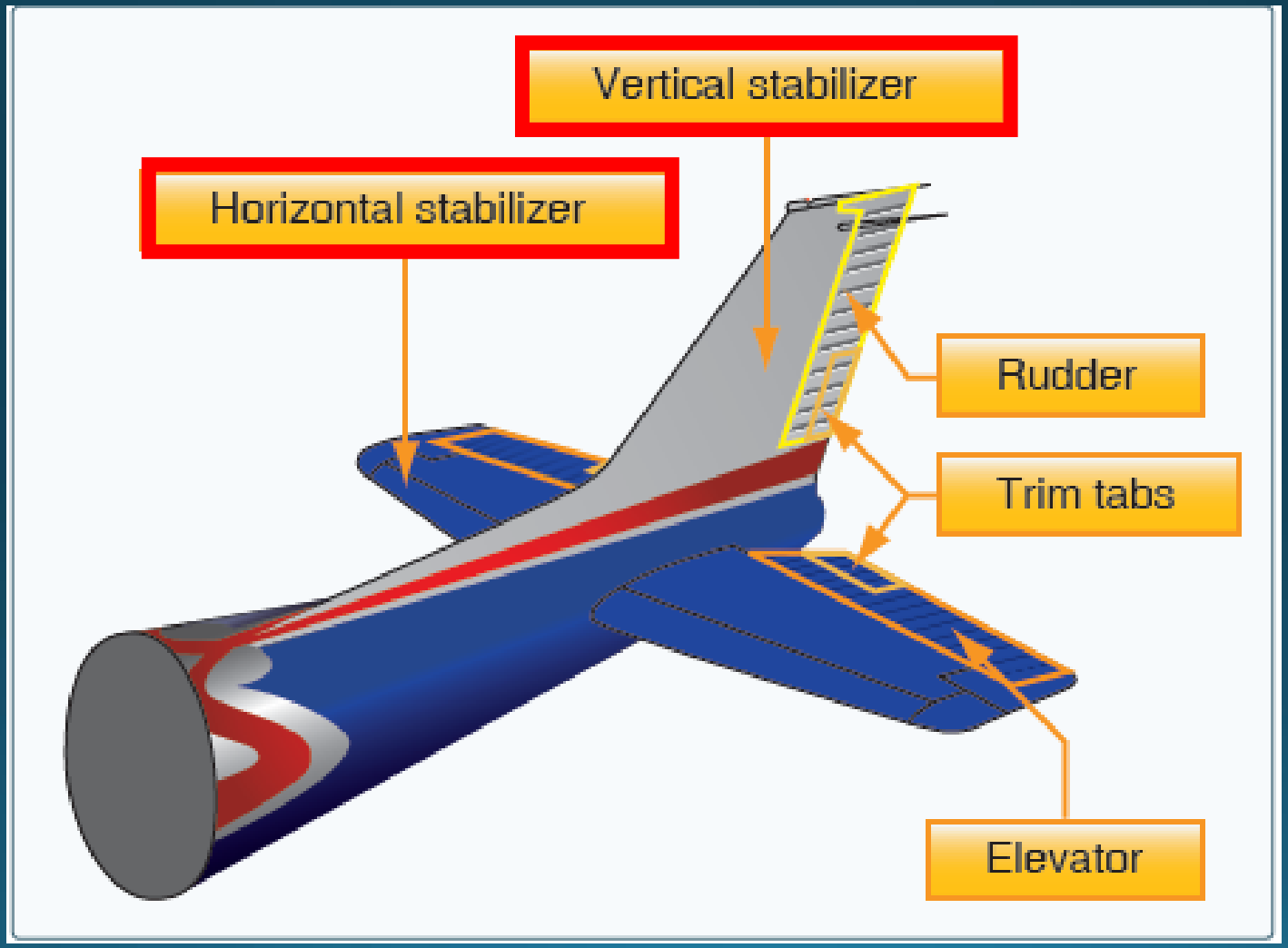


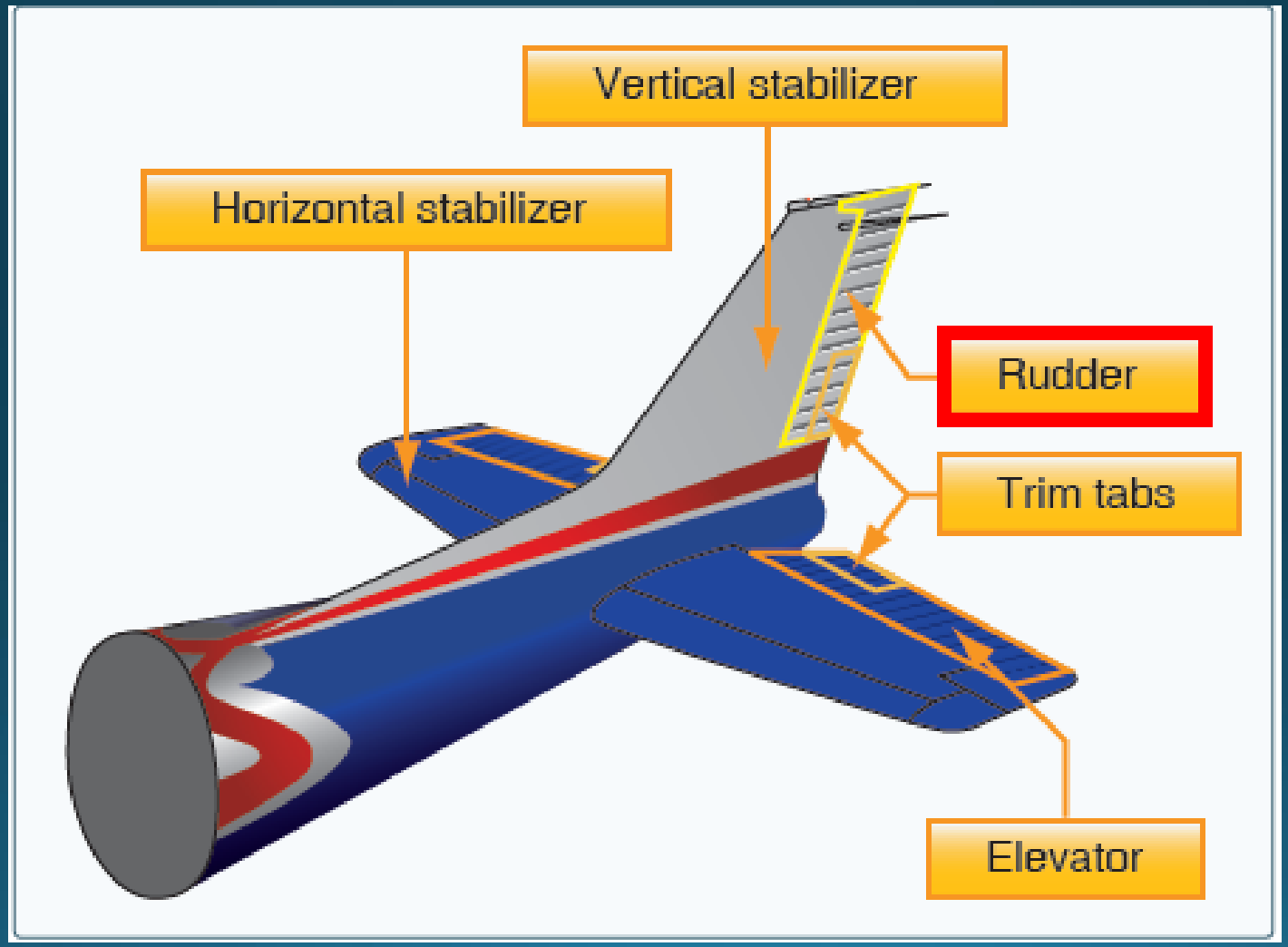
Empennage


Vertical stabilizer
Horizontal stabilizer
Rudder
Trim tabs
Elevator

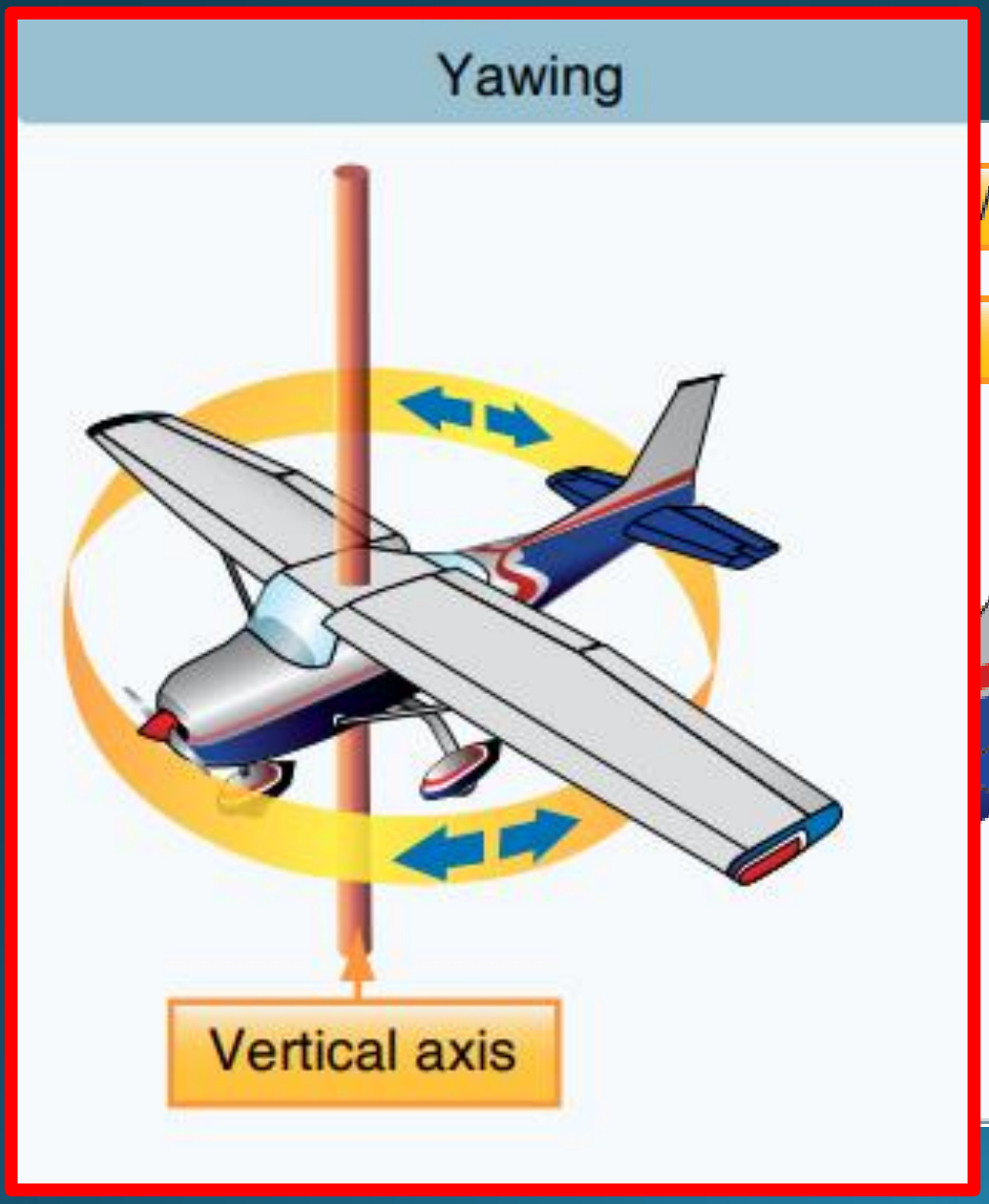
Empennage: Stationary

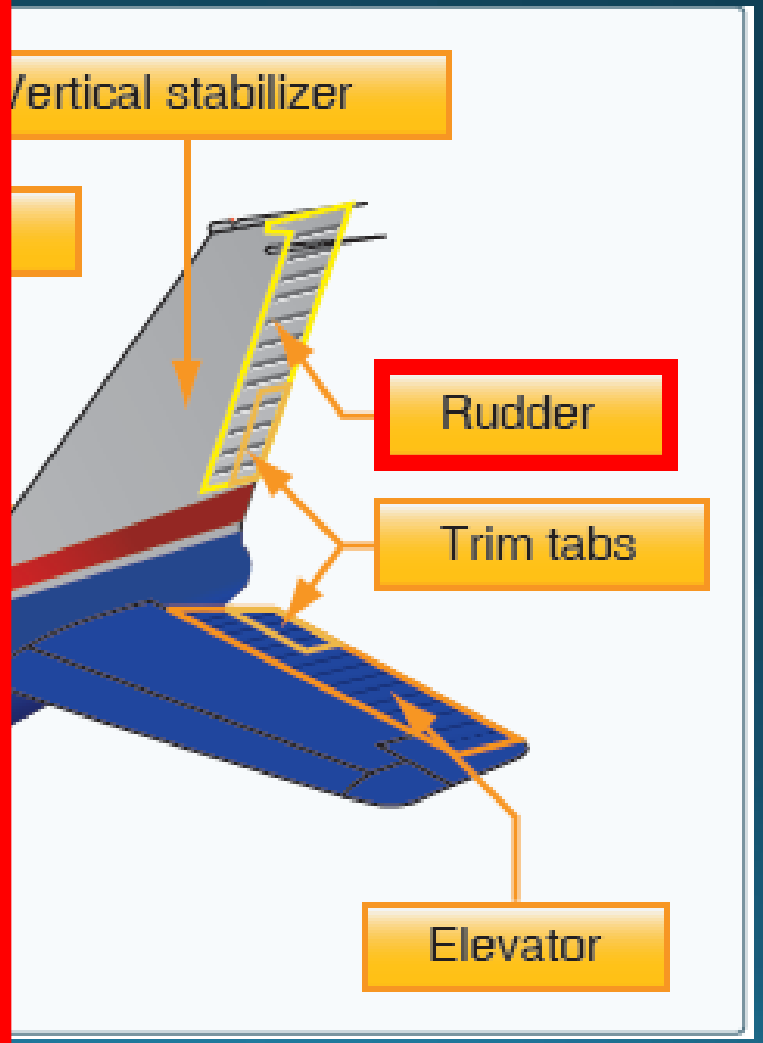


Empennage: Rudder

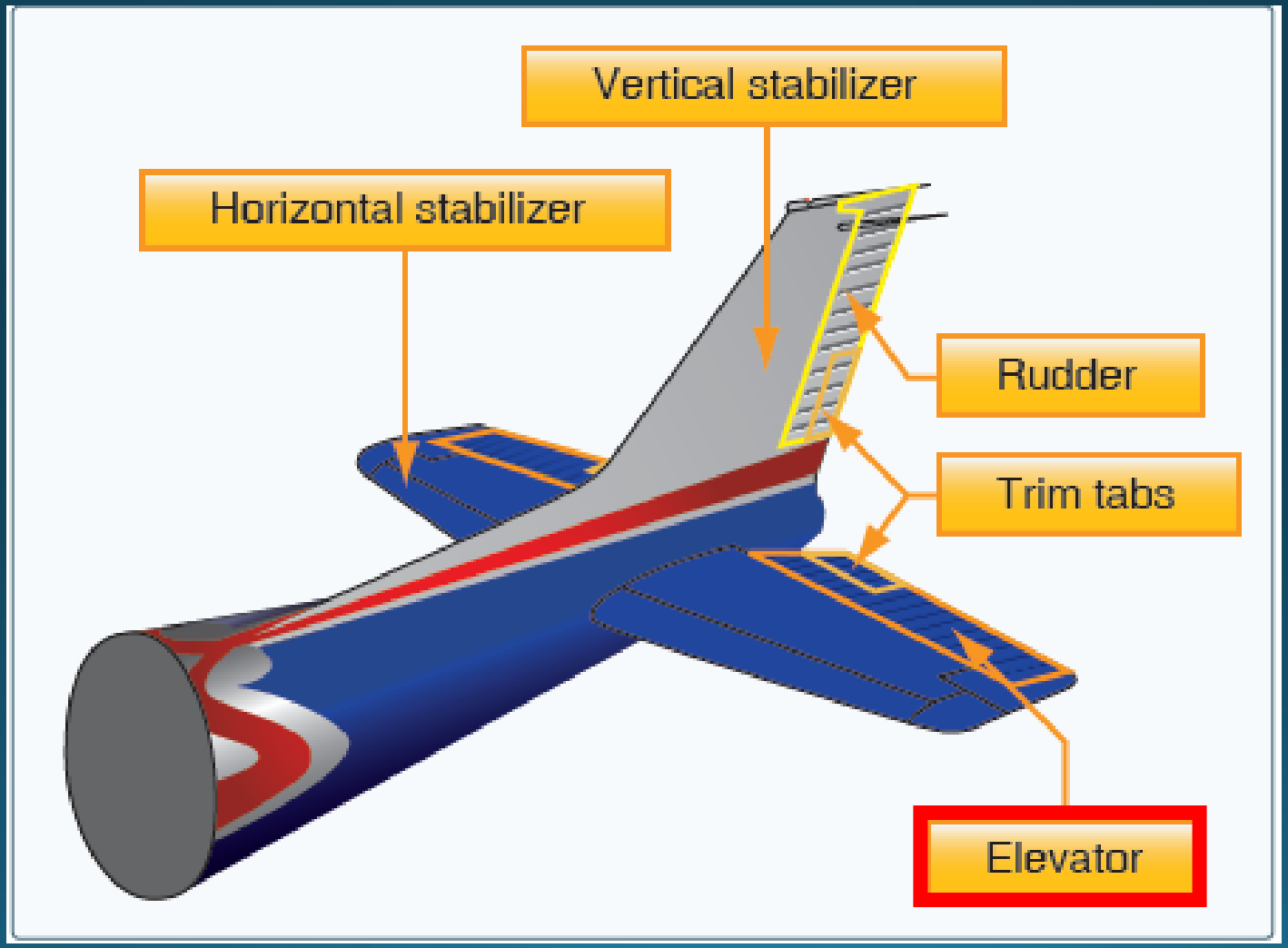


Empennage: Rudder

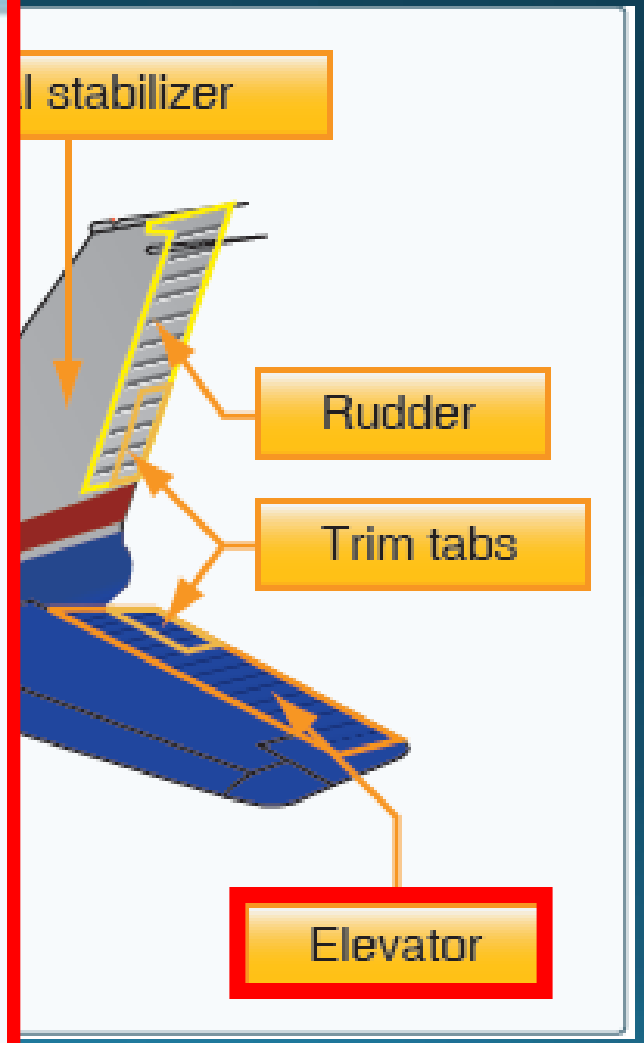




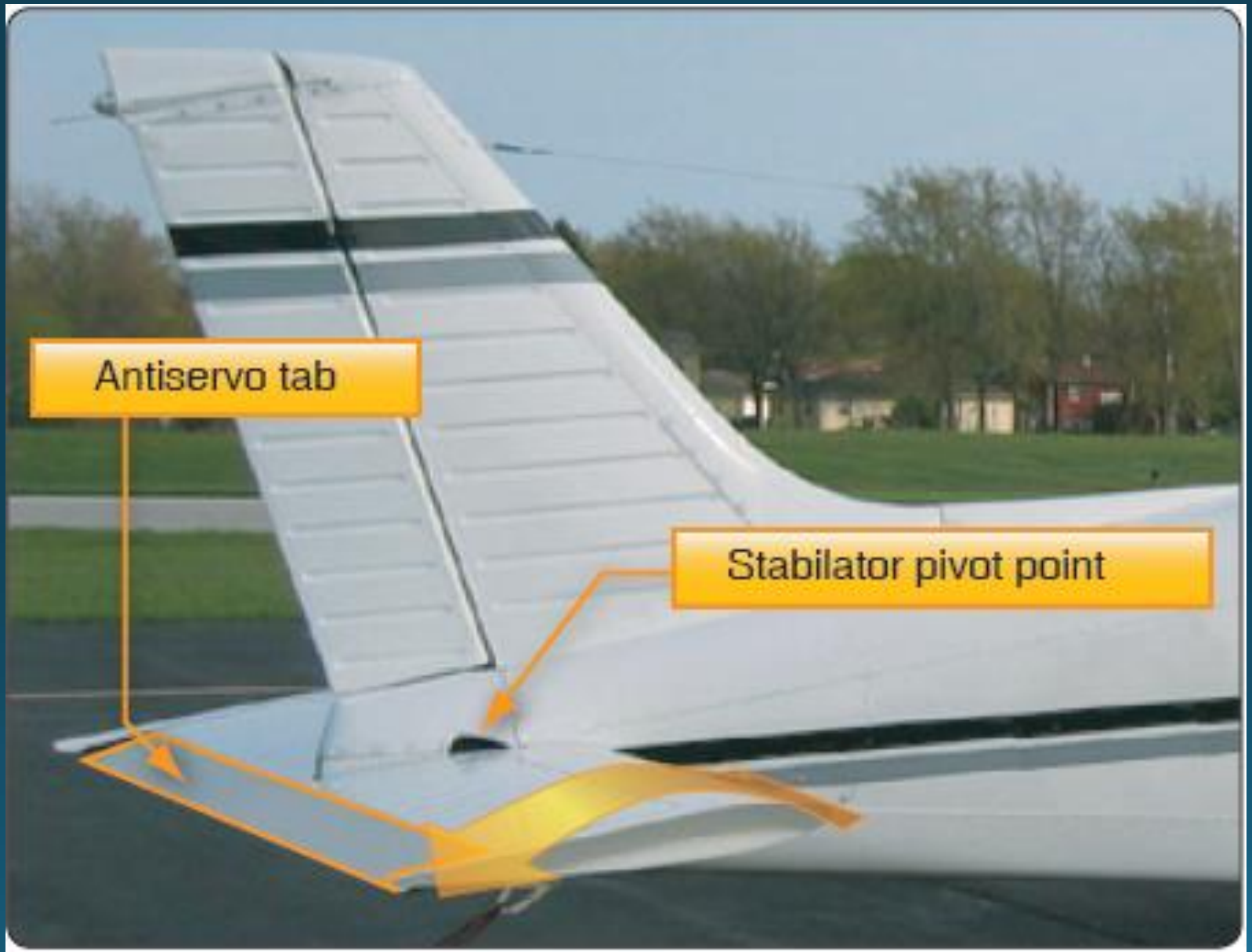
Empennage: Elevator



Empennage: Elevator



Stabilator vs. Elevator



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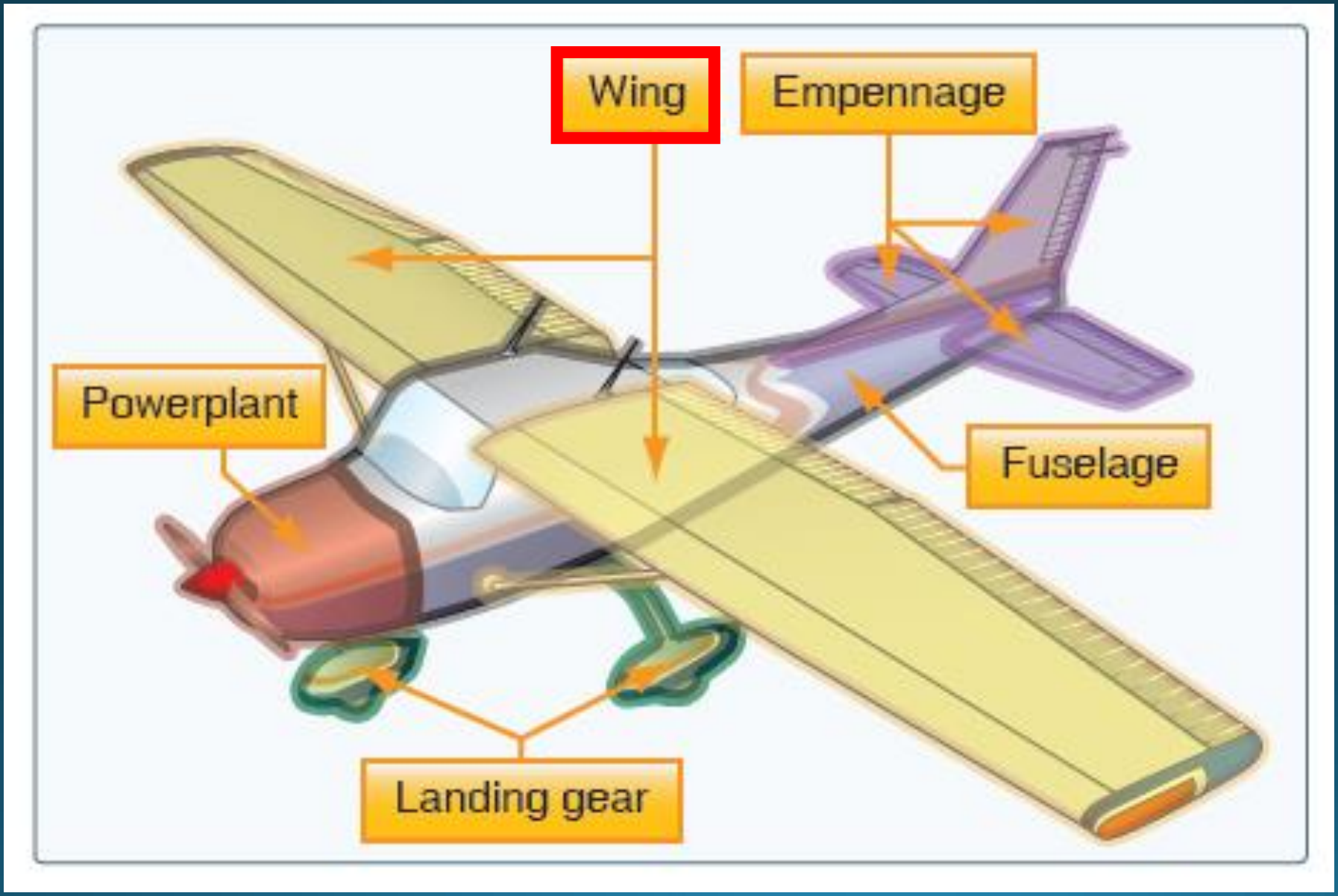
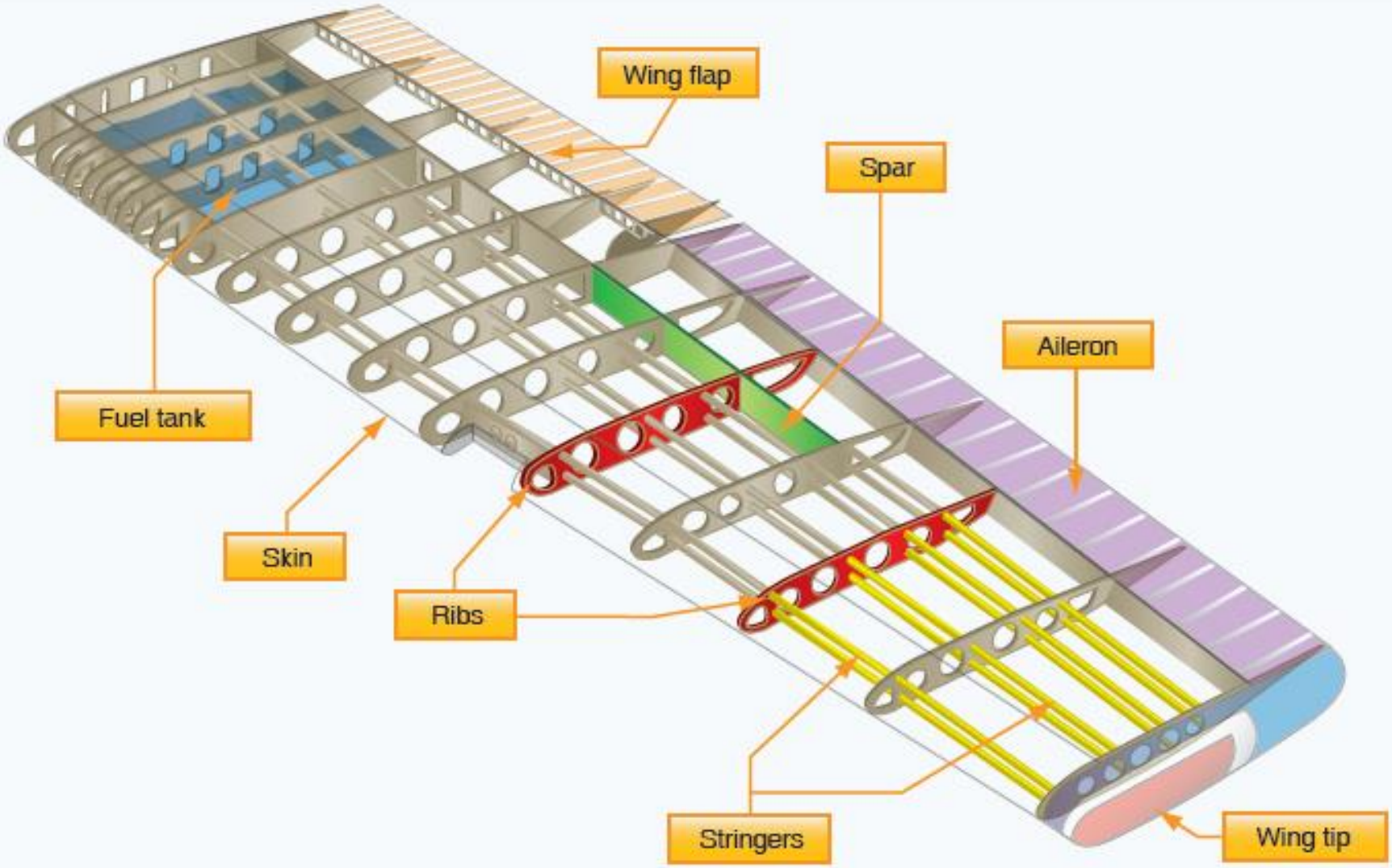


Wings

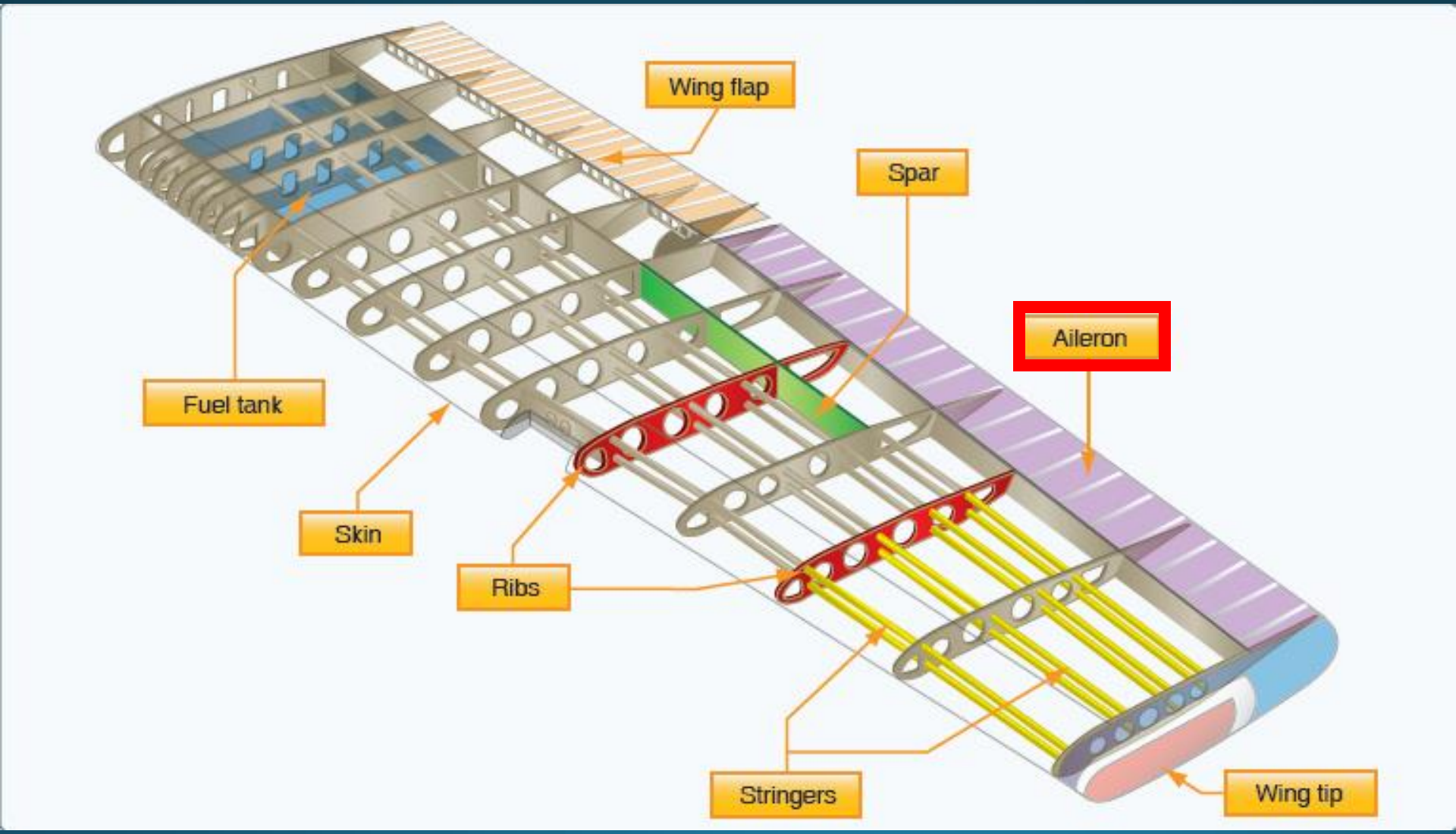

Wing flap
Spar
Aileron
Fuel tank
Skin
Ribs
Stringers
Wing tip

Wing Configurations: High Wing Monoplane

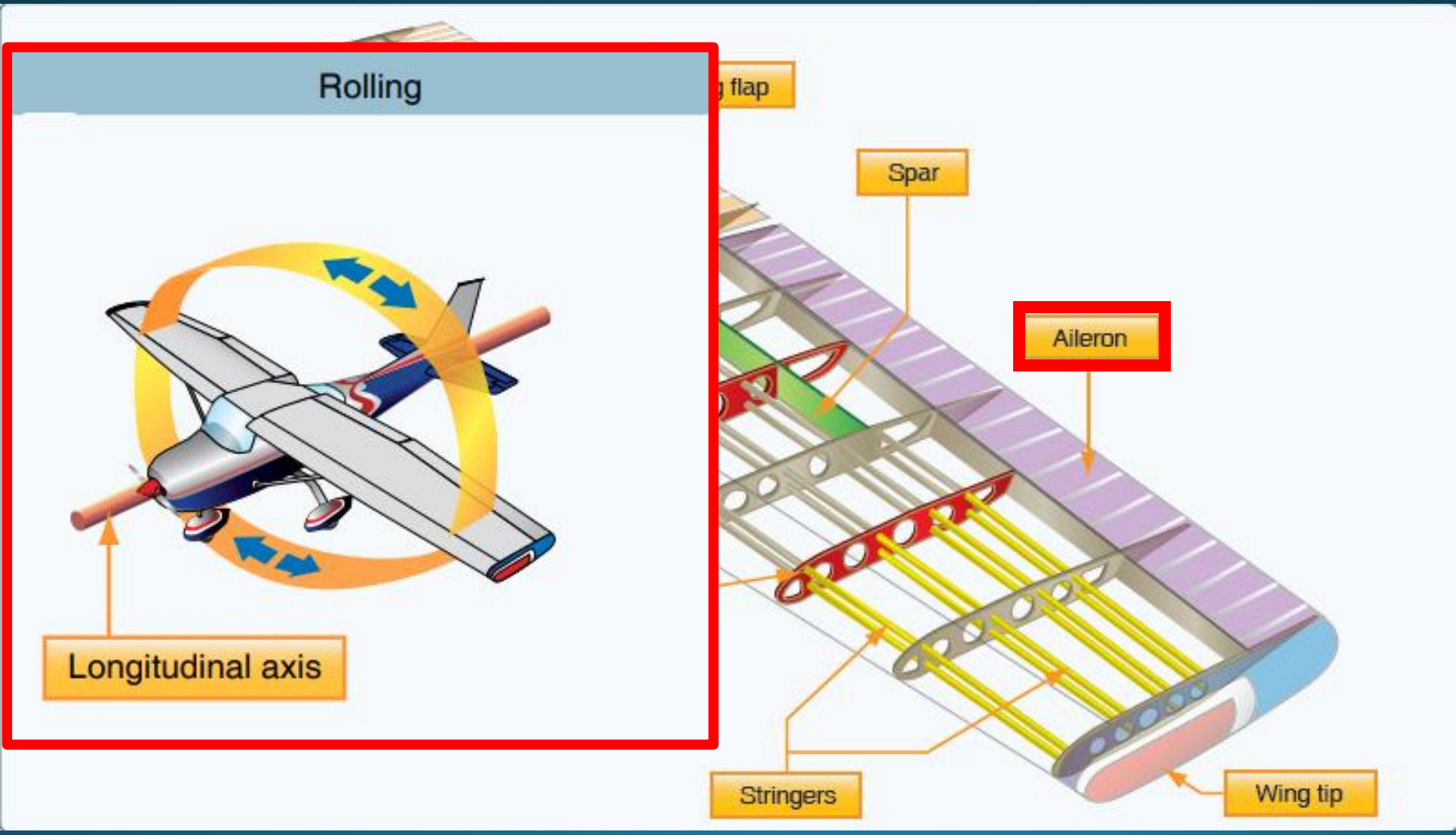
Wing Configurations: Low Wing Monoplane

Wing Configurations: Biplane

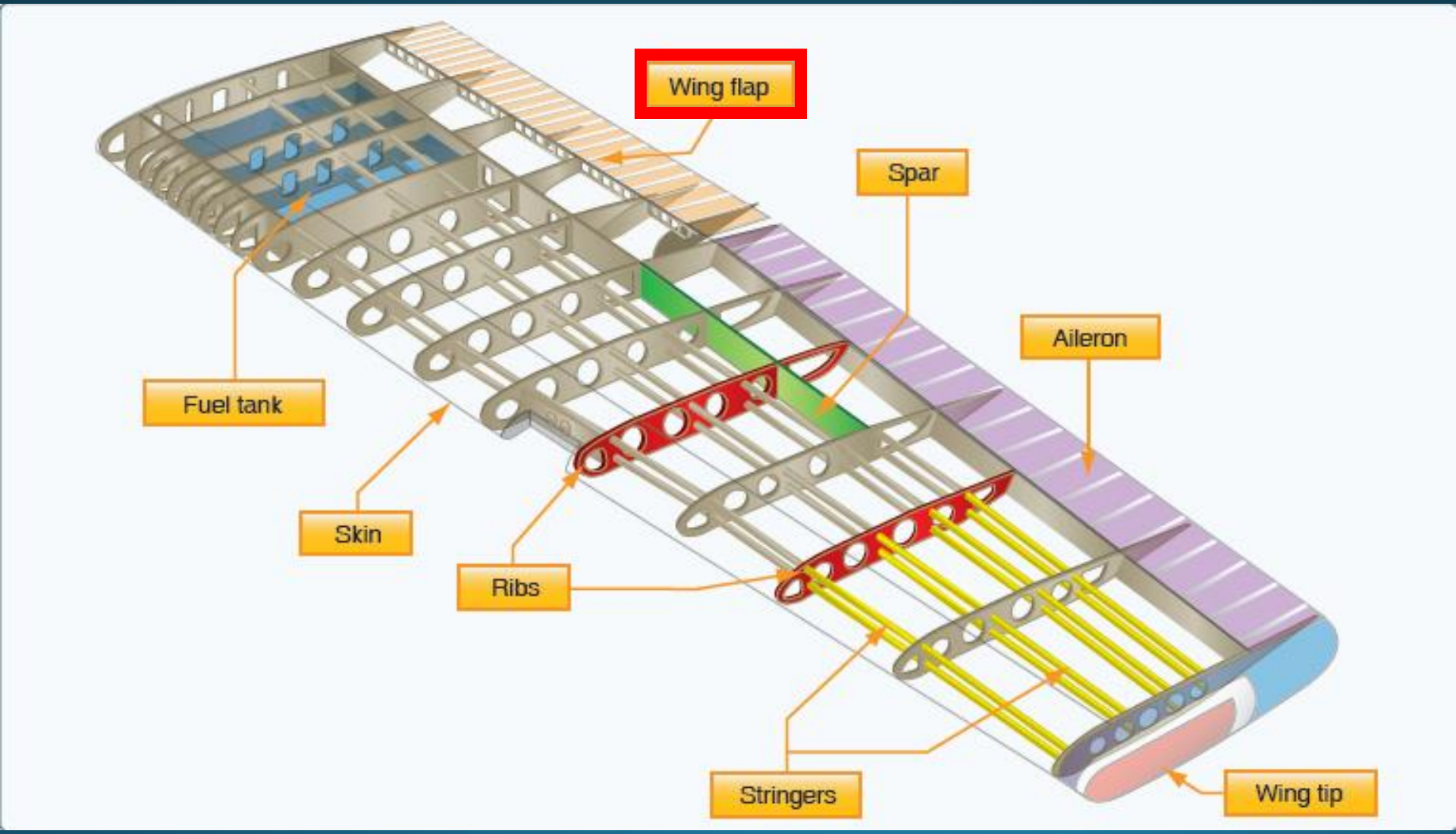
Wings: Ailerons



Wings: Ailerons



Wings: Flaps


Wing flap
Spar
Aileron
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Skin
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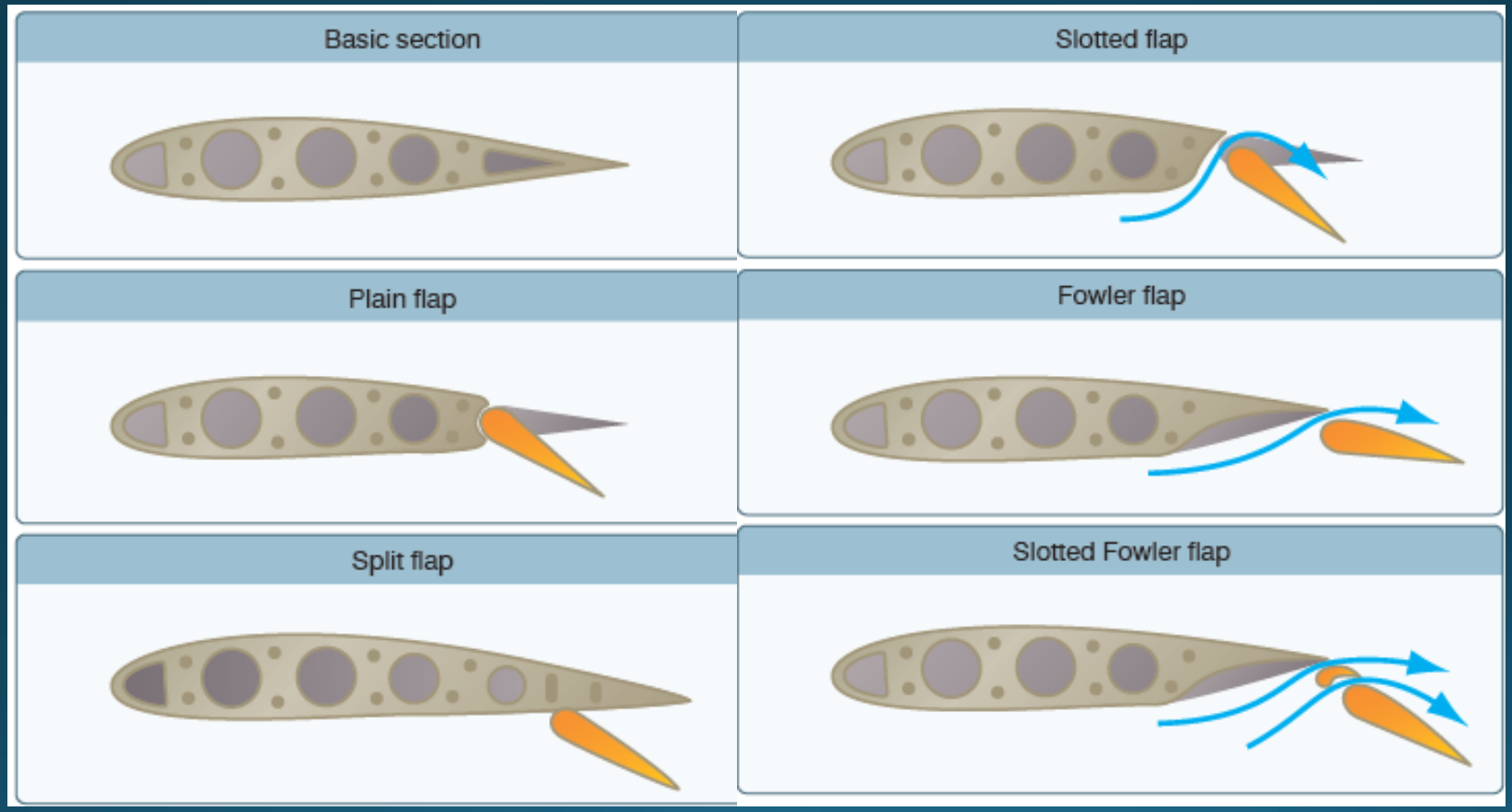
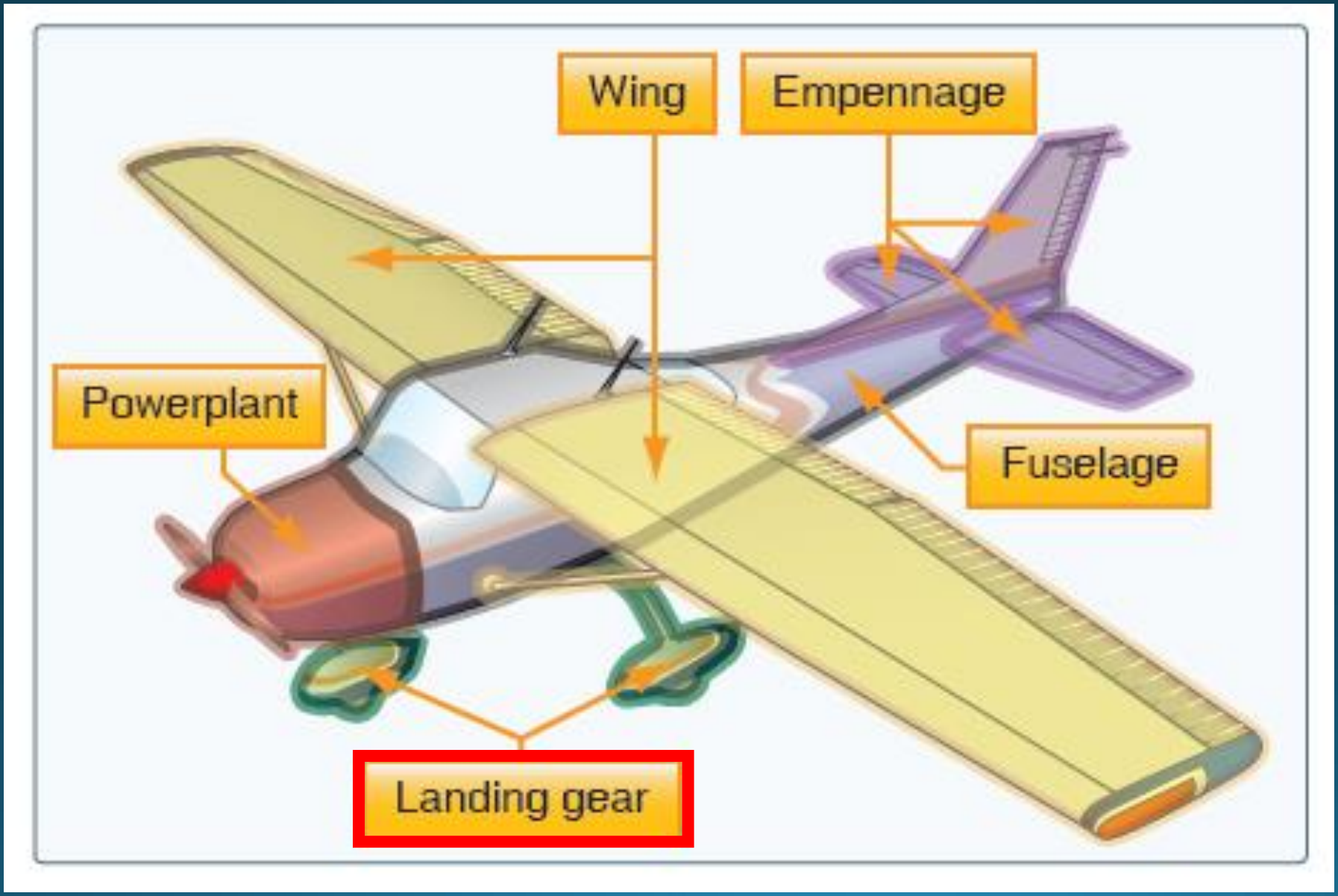
Wing tip

Wings: Flaps


Basic section
Slotted flap
Plain flap
Fowler flap
Split flap
Slotted Fowler flap

Basic Airplane Components



Landing Gear: Tricycle

Landing Gear: Tailwheel

Landing Gear: Floats

Landing Gear: Skis

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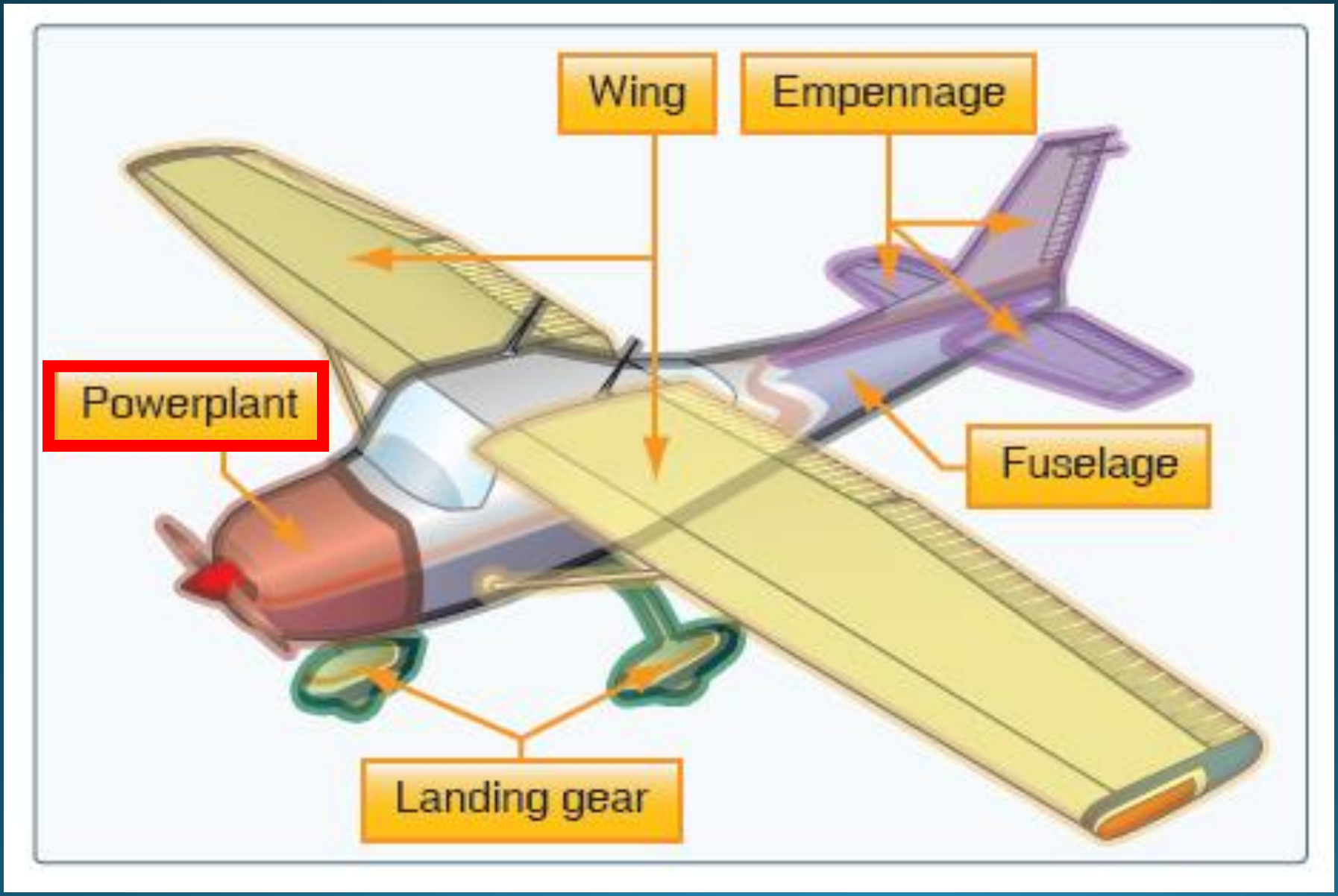

Firewall Forward