AERODYNAMICS!

Spoilers on top of the wing are used to add __ and slow the aircraft

__ on the wings create additional lift when flying slowly

Mach 1 is when you are travelling at the speed of __

Aircraft may be optimized for __, range, payload, or maneuverability

If the nose of the aircraft is too high, the wing may __, or lose lift

Shock waves can form on the __ of even some subsonic aircraft

A __ has no engine and relies on a tow plane and rising air currents

The pilot uses trim controls to __ the aircraft in flight

__ are required for sustained flight of heavier-than-air vehicles

The airfoil cross-__ may change along the length of the wing

Computers and wind __ are used to optimize aircraft designs

__ are the moving surfaces at the wing tips that roll the aircraft

Temperature decreases with increasing __, up to the stratosphere

__ use hot air or light gasses for buoyancy to rise in the air

Some __ aircraft can fly above 60,000 feet and above Mach 3

Wings provide lift by creating a __ differential above and below them

The buildup of ice on the wings can cause __ with air flow

Most commercial aircraft fly around 35,000 feet above __ __

A __ takeoff and landing or VTOL aircraft requires no runway

__ are vertical fins at the wing tips to reduce drag

__'s equation describes the pressure of a moving fluid

Spins are __; not all aircraft can recover from them

The tail, or __ has vertical and horizontal surfaces

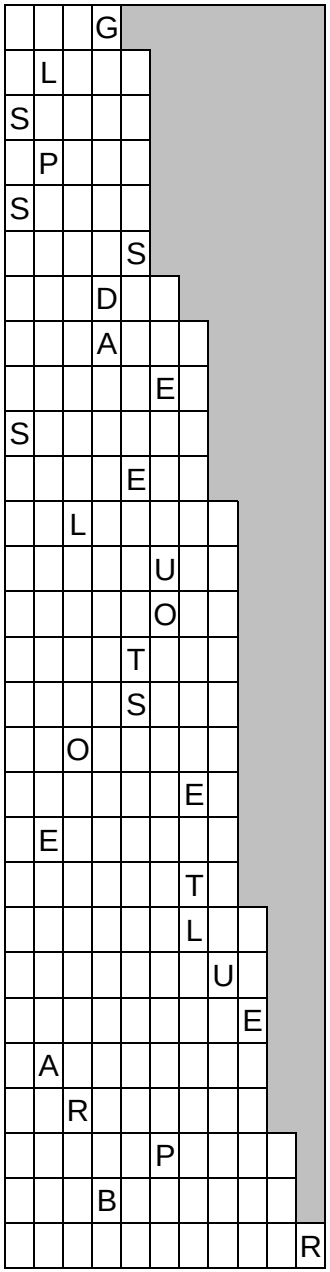
The fuselage is pressurized for __ comfort in high altitude aircraft

The spar is the main load-bearing __ of the wing

The standard, sea-level __ is used in many calculations

The wing must be stiff to avoid damage from flutter in __

__ __ is retracted when not in use to reduce drag



G	N	A	S	U	O	R	E	G	N	A	D	F	E	W
V	O	R	E	R	U	T	C	U	R	T	S	B	O	I
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Enter unused letters from puzzle, in order:

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