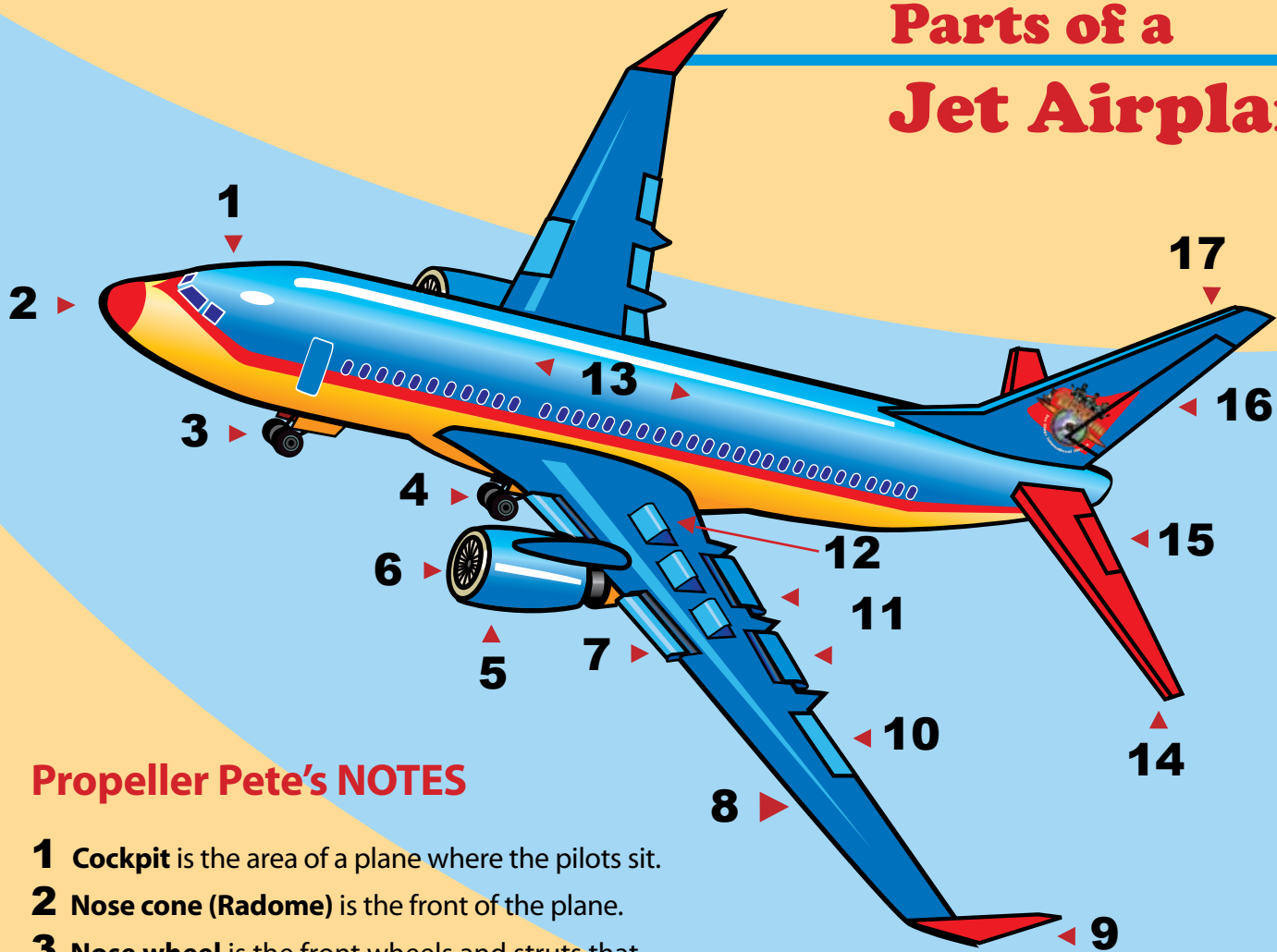


# Parts of a Jet Airplane



## Propeller Pete's NOTES

**1 Cockpit** is the area of a plane where the pilots sit.

**2 Nose cone (Radome)** is the front of the plane.

**3 Nose wheel** is the front wheels and struts that provide steering ability and support for an aircraft on the ground.

**4 Main landing gear:** Consists of the main wheels, struts and brakes that support the weight of an aircraft on touchdown (landing). They are located under the fuselage near the aircraft's wings.

**5 Nacelle** is the enclosure that surrounds the jet engine.

**6 Jet engines** are mounted to an aircraft's wings or tail sections. They are big fans that move lots of air to produce thrust to push the plane forward.

**7 Slats** are panels located on the front edge of a wing. They slide forward to create a gap to increase the airflow over the wing. They are used to slow down the plane. ■

**8 Wings** are located on either side of the fuselage. They have a special curved shape called *airfoil*, which once in movement creates lift and supports the airplane during flight. ■

**9 Winglet** is a small fin on each wing tip that reduces drag. They can point up or down.

**10 Aileron** is a hinged flap on the wing that is used to control turns. ■

**11 Flaps** are sections on the rear edge of the wing. They are slid out to provide more lift when the plane is flying slowly and are lowered to slow down the plane during descent. ■

**12 Spoilers** are movable sections on a wing that, when lifted, changes the flow of air over a wings surface – reducing lift. It is used during descent. ■

**13 Fuselage** is the main body of a plane.

**14 Horizontal stabilizers** are fixed or moveable horizontal fins on the tail of an aircraft that support the elevators.

**15 Elevators** are flaps on an plane's horizontal stabilizer that control the plane's nose movement up and down (lifting and diving).

**16 Rudder** is a section on a plane's tail fin that swivels to the left or right to turn the plane in a particular direction.

**17 Tail (Vertical stabilizer)** is a fixed fin that supports the rudder.

■ More information on pages 9 & 10