Can you find the names of NASA’s two newest X-planes hidden in the puzzle?
Aileron—located on the wings; they generate roll
Airport—where most airplanes land and take off from
Altitude—how high an airplane is flying
Bernoulli—a Swiss scientist who studied how air moves
Contrail—cloud made when water vapor condenses and freezes around small particles in aircraft exhaust
Drag—caused by air resistance; the force that acts opposite to the direction of motion
Drone—an unmanned aerial vehicle (UAV) used to perform different functions
Elevator—located on the tail section of airplane; controls the pitch of the plane
Emissions—gases and particles found in aircraft exhaust; NASA is working to lower them.
Gravity—the force exerted on all objects by the Earth and other objects with mass
Jet—a type of engine used to power aircraft
Landing gear—the wheels and support structures used to support airplanes while on the ground
Lift—created mainly by the wings; the force that holds an airplane in the air
Noise—sound created by airplanes; NASA is working to lower aircraft noise.
Pilot—the person who flies the airplane
Pitch—the up and down movement of the nose of an airplane
Propeller—pushes or pulls air; used to increase the speed of an airplane
Quadcopter—a drone with four propellers
Roll—up and down movement of the wings; causes the plane to rotate right or left
Rudder—located on tail of the plane; determines whether the airplane’s nose moves left or right
Runway—rectangular area of land designed for airplanes to land and take off
Thrust—the force that moves an aircraft in the direction of its motion
Vertiport—often found near cities; where aircraft land and take off vertically (up and down)
Weather—the condition of the atmosphere in a specific time and place
Weight—the downward force exerted on a plane by the Earth’s gravity
Wind—the movement of the air; important that pilots account for it while flying
Wing—the part of the plane that creates most of the lift when air passes over it
Yaw—the turning of a plane created by the rudder