

# SOAR: Air Refueling Questions

1. What are the four Aerodynamic forces present during flight?
  - A. Thrust, Updraft, Gravity, Drag
  - B. Push, Gravity, Resistance, Thrust
  - C. Lift, Drag, Thrust, Gravity
  - D. Weight, Lift, Thrust, Pull
2. True or False: Thrust combats gravity, and lift combats drag.
  - A. True
  - B. False
3. What part of the aircraft allows it to roll?
  - A. Flaps
  - B. Ailerons
  - C. Rutters
  - D. Elevators
4. What is the maximum weight a KC-135 Stratotanker can take-off with?
  - A. 322,000
  - B. 330,000
  - C. 232,000
  - D. 350,000
5. When refueling a C-17, at what rate does a KC-135 transfer fuel?
  - A. 6,800 lbs/min
  - B. 1,000 gal/min
  - C. 6,600 lbs/min
  - D. A & B
6. How many total fuel tanks does a KC-135 have?
  - A. 4
  - B. 7
  - C. 11
  - D. 8
7. The wave generated by a jet's forward movement through the air is called what?
  - A. Shockwave
  - B. Contrail
  - C. Electromagnetic Wave
  - D. Bow Wave

8. The pilot transfers fuel around the fuel tanks to maintain the jet's what?
  - A. Center of Gravity
  - B. Heading
  - C. Speed
  - D. Altitude
  
9. The amount of fuel is measured in what unit of measurement?
  - A. Gallons
  - B. Kilograms
  - C. Liters
  - D. Pounds
  
10. What is the largest mammal on Earth?
  - A. African Elephant
  - B. Sperm Whale
  - C. Blue Whale
  - D. Capybara