

## KNOW YOUR AIRCRAFT

Name \_\_\_\_\_ Date \_\_\_\_\_  
Ratings \_\_\_\_\_  
Medical: Type \_\_\_\_\_ Expiration date \_\_\_\_\_  
Date of last Flight Review \_\_\_\_\_ Date next one Due \_\_\_\_\_  
Flight time in last 90 days \_\_\_\_\_  
Number of takeoffs and landings in last 90 days \_\_\_\_\_  
Do you meet the FAR requirements to be PIC of this aircraft and carry a passenger?  
Day \_\_\_ Yes \_\_\_ No \_\_\_  
Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_

### AIRCRAFT OPERATING SPEEDS

What is the normal rotation speed ( $V_r$ )? \_\_\_\_\_  
What is the normal climb-out speed? \_\_\_\_\_  
What is the best rate of climb speed ( $V_y$ )? \_\_\_\_\_  
What is the best angle of climb speed ( $V_x$ )? \_\_\_\_\_  
What is the normal cruise speed? \_\_\_\_\_  
What is the approach-to-landing speed? \_\_\_\_\_  
What is the stall speed? \_\_\_\_\_  
What is the never-exceed speed ( $V_{ne}$ )? \_\_\_\_\_  
What is the normal operating speed range? \_\_\_\_\_  
What engine-off glide speed will give you the maximum glide range? \_\_\_\_\_  
What is the maximum demonstrated crosswind component for the aircraft? \_\_\_\_\_

### GENERAL AIRCRAFT INFORMATION

Does the aircraft have a current and original airworthiness certificate? \_\_\_\_\_  
Does the aircraft have a current registration certificate? \_\_\_\_\_  
Does the aircraft have a current weight and balance data sheet? \_\_\_\_\_  
Have all the airworthiness directives been complied with? \_\_\_\_\_  
What is the type, make, and model of the engine? \_\_\_\_\_  
Is the propeller fixed or variable? \_\_\_\_\_  
What is the power output of the engine? \_\_\_\_\_  
Type of fuel control—carburetor, fuel injection, other? \_\_\_\_\_  
If carburetor, when do you use carburetor heat? \_\_\_\_\_  
Do you have an electrical wiring diagram? \_\_\_\_\_  
What is the proper tire pressure for the nose gear? \_\_\_\_\_  
What is the proper tire pressure for the main gear? \_\_\_\_\_

### FUEL AND OIL

Describe the fuel system. \_\_\_\_\_  
\_\_\_\_\_  
What type of fuel is used? \_\_\_\_\_ What is its color? \_\_\_\_\_  
What is the minimum octane rating? \_\_\_\_\_

What is the total number of gallons of usable fuel? \_\_\_\_\_  
Can you drain your tank? \_\_\_\_\_  
What is the type and weight of oil used? \_\_\_\_\_  
When was the last time you removed your fuel tank for cleaning and inspection?  
\_\_\_\_\_

#### AIRCRAFT WEIGHTS

What is the aircraft's gross weight? \_\_\_\_\_  
What is the aircraft's empty weight? \_\_\_\_\_  
What is the aircraft's useful load? \_\_\_\_\_  
What is the aircraft's gross takeoff weight? \_\_\_\_\_  
What is the maximum allowable weight the aircraft can carry? \_\_\_\_\_  
Left or Rear seat \_\_\_\_\_ Pounds  
Right or Front seat \_\_\_\_\_ Pounds

#### PERFORMANCE PLANNING

How long can you stay aloft at cruise RPM? \_\_\_\_\_  
Would high humidity increase or decrease your distance take off? \_\_\_\_\_  
Why? \_\_\_\_\_

#### AIRCRAFT SAFETY

Is your aircraft equipped with strobe lights? \_\_\_\_\_  
Do you have landing lights? \_\_\_\_\_  
Do you carry an emergency repair kit? \_\_\_\_\_  
Do you carry a first aid kit? \_\_\_\_\_  
Is your aircraft equipped with an ELT? \_\_\_\_\_ Fresh Batteries? \_\_\_\_\_