

LAND AND SEA AVIATION ALASKA, LLC

landandseaalaska@gmail.com

907.274.2544



Airspace and Aircraft Worksheet

The following packet is required to be completed as part of the renter / solo student checkout. The instructor is required to discuss each question and correct to 100% with the customer.

Name: _____ Date: _____

Instructor Signature: _____ Corrected to 100%: YES/NO

Airspace Section

1. Do you have a supplement and sectional available for your flight and is it current?
2. Which FAR part dictates the rules for the special airspace in the Anchorage area, and where can details of the special airspace rules be found?

3. List all the VFR departures for the following runways at Merrill Field Airport

26 _____

8 _____

16 _____

34 _____

LAND AND SEA AVIATION ALASKA, LLC

landandseaalaska@gmail.com

907.274.2544



-
4. When crossing the Knik Arm and the Part 93 altitude deviation is unavailable, what altitude should you cross at?

Outbound _____

Inbound _____

5. What class airspace is Merrill?
6. What pilot action is required before one enters Merrill airspace when the tower is operating?
7. What are the requirements for entering class C airspace?
4. What is the ceiling of Merrill's airspace?
5. At what time does Merrill tower close?
6. Where are the following reporting points?
- Moose Run Golf Course
 - Polaris School
 - Potters Marsh
 - Point Noname
 - Point Mackenzie

(continues next page...)

LAND AND SEA AVIATION ALASKA, LLC

landandseaalaska@gmail.com

907.274.2544



(...continued from previous page)

Twin Island Lakes

Sleepers Strip

Clark Jr. High

West High School

Tudor Bus Barn

Bryan AHP

Mouth of Ship Creek

Muldoon Road

11. What is CARTEE airspace and how do you know it is in effect?

12. Draw a City High departure off runway 34, list appropriate landmarks and altitudes en-route.

LAND AND SEA AVIATION ALASKA, LLC

landandseaalaska@gmail.com

907.274.2544



Aircraft Section (C172P)

1. Engine Manufacture: _____
Engine Model #: _____
2. BPH: _____ @ _____
3. Propeller Diameter: _____
Propeller Type: _____
4. Approved fuel grades and colors:

5. What is the total fuel capacity? _____
6. What are the total usable and unusable fuel quantities? _____
7. How many and where are the fuel drains located?

8. The airplane is equipped with a _____ volt battery.
9. What is the recommended grade and type of oil:
Summer: _____
Winter: _____
10. What is the maximum and minimum capacity of the oil sump:

LAND AND SEA AVIATION ALASKA, LLC

landandseaalaska@gmail.com

907.274.2544



11. What is the recommended quantity of oil for long flights? _____

12. Magnetos are checked at _____ rpm.

13. RPM drop should not exceed _____ rpm on either magneto or
_____ rpm differential between magnetos.

14. Give the KIAS for the following at gross weight:

V_{so} _____ V_{s1} _____ V_{fe} _____ V_{glide} _____

V_a _____ V_{no} _____ V_{ne} _____

Normal approach speed with full flaps _____

15. What would be the indications of alternator malfunction?

16. What is the procedure for when the ammeter shows a discharge in flight?

17. Give the immediate action/memory items for:

a. Engine failure immediately after takeoff:

b. Fire during cranking and engine fails to start:

c. Engine fire in flight:

d. Electrical fire in flight:

LAND AND SEA AVIATION ALASKA, LLC

landandseaalaska@gmail.com

907.274.2544



17. What is the useful load of the aircraft?

18. What is the empty weight?

19. What are the indications of carburetor ice?

20. Maximum *demonstrated* crosswind component is: _____

21. Normal takeoff flap setting is _____ Short/soft field is _____

22. How do your fuel gauges operate?

23. How much fuel will the aircraft burn per hour at the following rpm at 2,500 MSL?

a. 2200 _____

b. 2300 _____

c. 2400 _____

LAND AND SEA AVIATION ALASKA, LLC

landandseaalaska@gmail.com

907.274.2544



Compute the following sample weight and balance problem to determine the CG in inches aft of the datum:

Pilot: (your weight) _____

Passenger 1: 195lbs

Passenger 2: 165lbs

Fuel and oil (full) _____

Survival gear 35 lbs in baggage area 2

What is the CG aft of the datum: _____

Is the airplane within weight limits? _____