Reading Aeronautical Charts

To zoom in on charts,

1) go to https://skyvector.com/.
2) Locate the Washington DC area
3) Click on the “Washington” sectional (button on top)
4) Drag map or zoom in/out
5) Note: The legend is on the left hand-side of the chart on Skyvector
Frederick Airport

1) How many runways are there at the airport ________________________

2) Is there a VOR or VORTAC at the airport _____ Y / N

3) What is the 3 letter ICAO code for Frederick Airport _______________________

4) What is the Control Tower Frequency _________________________________

5) Is the airport open full time or only part time ___________________________

6) Does the Airport have a Common Traffic Advisory Frequency __ Y / N________

7) What is the purpose of a CTAF? _________________________________

8) What is the Frequency for the Automatic Terminal Information Service (ATIS)

___________________________

9) What information is provided by the ATIS? Give an example. _________________

_________________________________________

10) What is the field elevation at the airport _________________________________
11) Are there lighting limitations at the airport  Y / N

12) What is an example of a lighting limitation ______________________________

13) What is the length of the longest runway in (note: 100’s of feet) ___________ ft

14) What is the UNICOM frequency ________________________________

15) What is a UNICOM frequency used for ________________________________

Note: In U.S many non-towered airports use the same frequency for both Unicom and CTAF purposes.
Navigating to the Airport

1) List 4 landmarks that could be used to locate and/or navigate to the airport:

__________________________________________
__________________________________________
__________________________________________
__________________________________________

2) What type of Radio Navigation Aid is at the airport _____________________

3) What is the name of this Radio Navigation Aid ___________________

4) What is the 3 letter ICAO code for the Radio Navigation Aid _____________

5) What Frequency is set to tune the Radio Navigation Aide ________________

6) What Frequency is used to contact the Flight Service Station (FSS) below 5000 ft in the vicinity of this Radio navigation Aid ____________

7) What would a pilot communicate to the FSS. Give an example. ______________
Navigating on Airways

The Hagerstown, Grantsville, Kessel and Martinsburg Radio Navigation Aids are located on this Aeronautic Chart.

1) What type of Navigation Aid (e.g. VOR, VORTAC, VOR-DME) are these Navaid:
   a. Hagerstown (HGR) _________________________
   b. Grantsville (GRV) _________________________
   c. Kessel (KSL) ______________________________
   d. Martinsburg (MRB) _________________________

2) What is the name of the airway that connects HGR and the GRV Navaids __________

3) What is the distance between the HGR and GRV ___________________________

4) What is the **outbound** radial from HGR used to fly this airway ____________________
5) What is the outbound radial from GRV used to fly this airway _____________________________

6) List the Navaids and their Outbound radials that define the TOMAC intersection on this airway
   a. ____ HGR _________  ____ 274 _______
   b. _____________________________
   c. _____________________________

7) What is the distance between KSL and MRB on the V-166 airway ____________________________

8) What is the name of the intersection on the V-166 airway and the V 92 airway ________________