

Answer the following study guide questions on page 252 of the online textbook. Print this page and complete all work on the front side of this page. If unable to print, you may neatly handwrite this assignment on "one" page.

1. What are the two main elements in our atmosphere and the approximate percentage of each?

3. Where does most of the earth's weather occur?

5. A In what layer of the atmosphere are most clouds found?

8. What is the relevance of the jet stream to modern military and commercial aviation?

9. Why do modern commercial aircraft prefer to fly mostly in the stratosphere?

10. What visual phenomenon occurs in the ionosphere over the polar regions?

11. What is the importance of the ionosphere to communications?

13. A What is the average air pressure at sea level?

17. A What are the two most widely used temperature scales?

17. B What is the freezing and boiling points of each?

19. What is the dew point?

Answer the following Temperature Conversion Problems on page 252 of the online textbook. Print this page and complete all work on the front side of this page. If unable to print, you may neatly handwrite this assignment on "one" page.

1. Do the following conversions: ***(Show all formula's and work)***

A. 122 degrees F = \_\_\_\_\_ degrees C

B. 86 degrees F = \_\_\_\_\_ degrees C

C. - 4 degrees F = \_\_\_\_\_ degrees C

D. 104 degrees F = \_\_\_\_\_ degrees C

2. Do the following conversions: ***(Show all formula's and work)***

A. 60 degrees C = \_\_\_\_\_ degrees F

B. 20 degrees C = \_\_\_\_\_ degrees F

C. - 10 degrees C = \_\_\_\_\_ degrees F

D. 35 degrees C = \_\_\_\_\_ degrees F