

AVIA 101 Homework Assignment # 4
Answers are located in your Jeppesen Private Pilot Manual

Chapter 6 Meteorology for Pilots

1. What are the results of unequal heating of the earth's surface?

2. Describe each of the following changes in state:

Evaporation –

Condensation –

Sublimation –

3. What is dewpoint?

4. Describe a weather front:

5. How does the passage of a frontal system effect temperature, wind, and pressure?

6. Describe the conditions that must be present for a thunderstorm to develop:

7. What is a squall line?

8. What are the characteristics of a severe thunderstorm?

9. List and describe the three stages of a thunderstorm:

10. How is wake turbulence produced?