Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Swap Meet Sheet: Air Masses Block: \_\_\_\_\_\_\_\_\_\_\_

**Directions**: You are to complete this handout INDEPENDENTLY and silently.

1. What is an air mass?
2. Warm air (rises or sinks), cool air (rises or sinks). Explain your answer! Hint: Density
3. What is the relationship between air pressure and density?
   * As air pressure \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, density \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. What is a weather front?
5. Describe AND draw the movement of air masses in each weather front.
   * Warm Front: Picture:
   * Cold Front: Picture:
   * Stationary Front Picture:
6. Which front produces clouds with rain that lasts several days?
7. Which front produces cirrus then stratus clouds?
8. Which front brings heavy storms then cooler temperature?
9. What are the three types of clouds?
10. Describe what each cloud looks like and the weather associated with them.