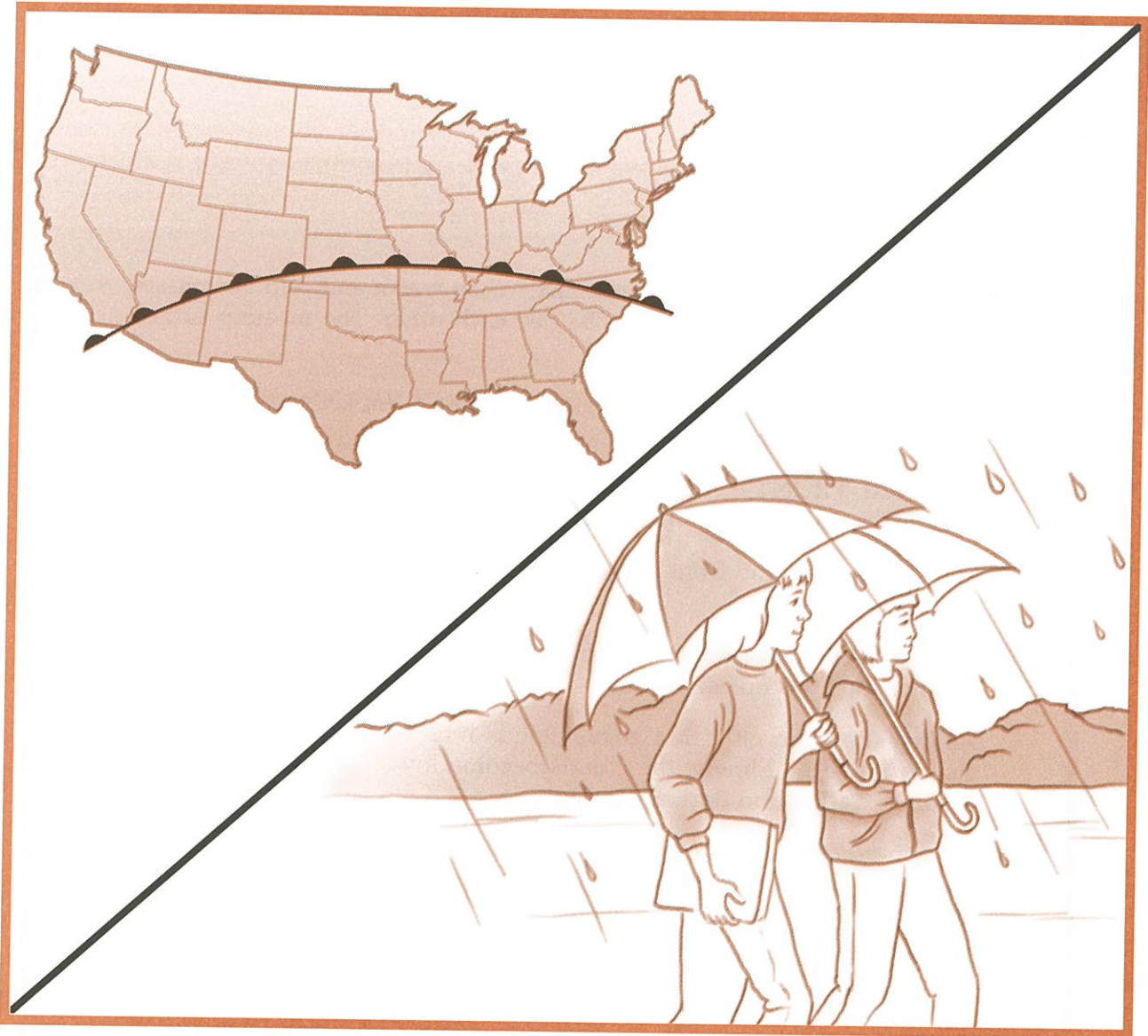


## What happens when air masses meet?

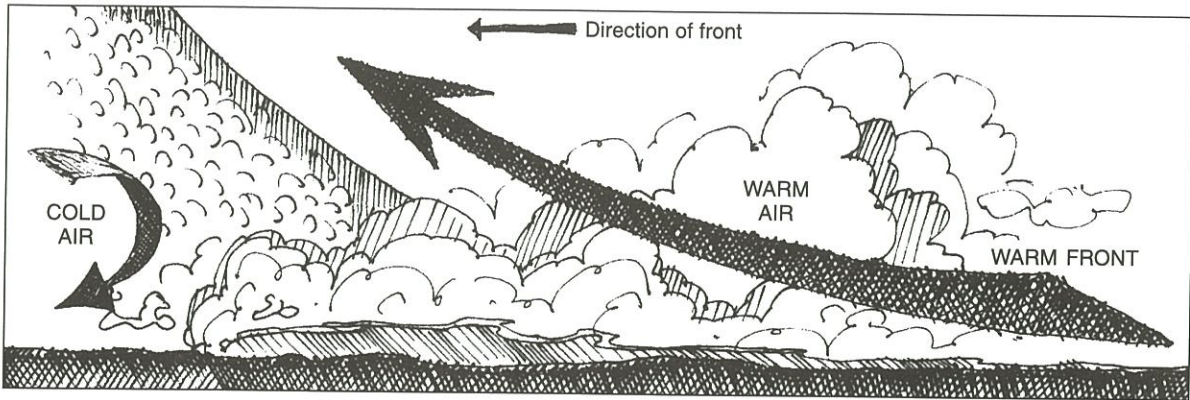


### **KEY TERMS**

**front:** surface between different air masses

**warm front:** forward edge of a warm air mass formed when a warm air mass pushes over a cold air mass

## WHAT A WARM FRONT LOOKS LIKE



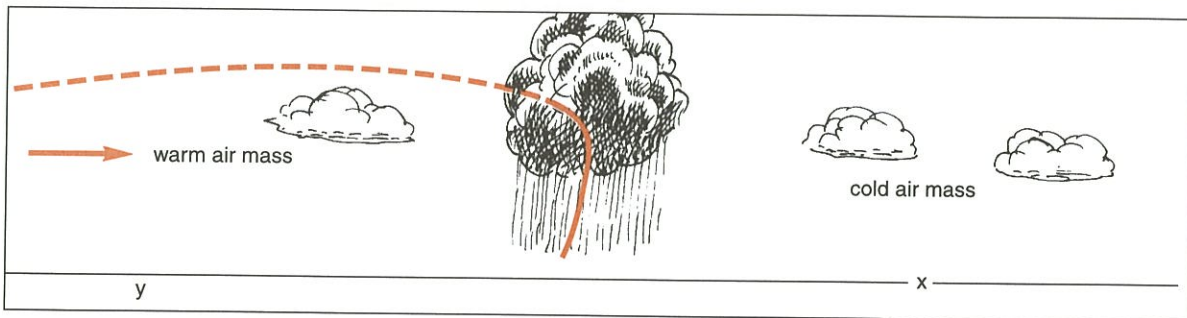
**Figure A**

Figure A shows a warm front. Find the two air masses. The warm air pushes upward and flows over the cold air. Many clouds form where the two air masses meet.

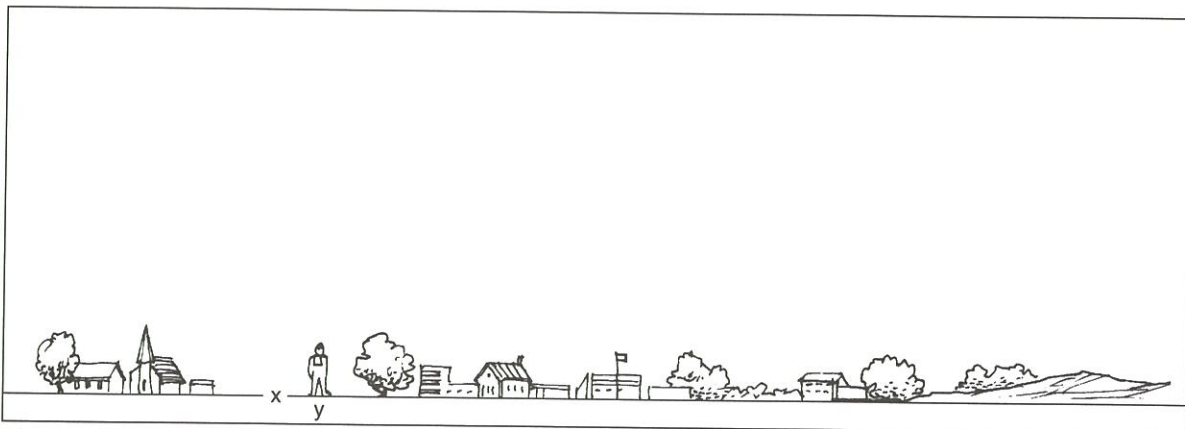
See for yourself how a warm front brings weather changes slowly.

### What To Do


1. Get a thin piece of paper. Tracing paper would be best.
2. Put your paper over Figure B and trace it.
3. Now put the traced drawing over Figure C, lining up the x's.
4. Slowly, move the tracing to the right until the y's match up. Now, imagine yourself to be at spot y. What would you see? What would you feel?



**Figure B**



**Figure C**

7. A warm front brings steady \_\_\_\_\_.
8. Precipitation along a warm front continues until the \_\_\_\_\_.
9. After a warm front passes, the weather becomes \_\_\_\_\_.
10. The symbol for a warm front (  ) is shown on weather \_\_\_\_\_.

### FIND THE PARTS

Figure E shows a warm front. Find the parts listed below. Write the correct letter in the spaces provided. Then fill in the blanks.

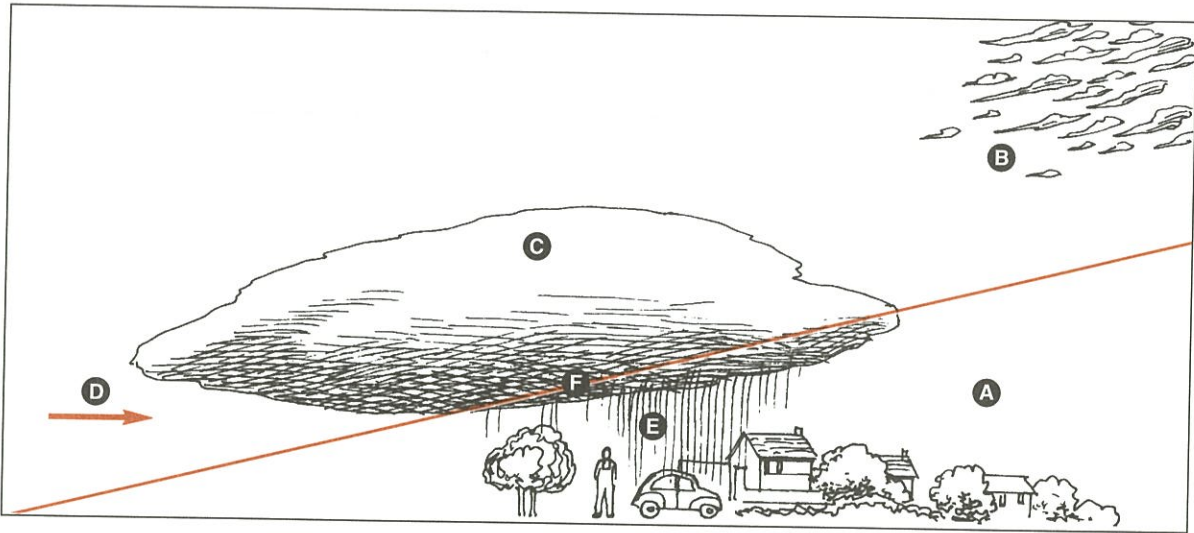


Figure E

1. warm air mass \_\_\_\_\_
2. cold air mass \_\_\_\_\_
3. warm front \_\_\_\_\_
4. cirrus clouds \_\_\_\_\_
5. stratus clouds \_\_\_\_\_
6. area of precipitation \_\_\_\_\_
7. A warm front is moving from \_\_\_\_\_.  
left to right, right to left
8. A warm front changes weather \_\_\_\_\_.  
slowly, quickly
9. Usually, precipitation from a warm front lasts \_\_\_\_\_.  
only a few hours, several days
10. After the warm front passes, the weather becomes \_\_\_\_\_.  
colder, warmer