Name _____ Date _____ Class _____

Enrich

Air Masses

Read the passage and study the figures below it. Then, on a separate sheet of paper, use the figures to answer the questions that follow.

Occluded Fronts

Recall that an occluded front occurs when a warm air mass is caught between two cooler air masses and is cut off from the ground. The figures below show two types of occluded fronts. The arrows indicate the direction in which the air masses are moving. The type of occluded front that occurs, A or B, depends on the relative temperatures of the two air masses.

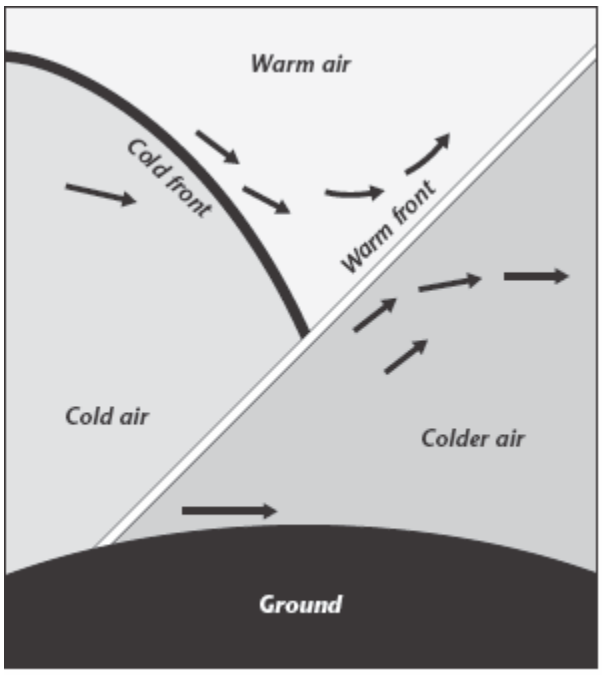

Figure A

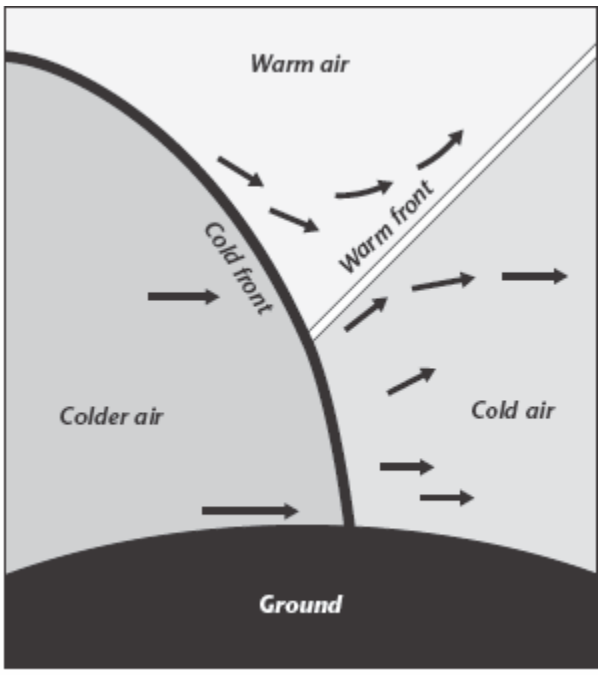

Figure B

1. What are the differences between the occluded fronts shown in Figures A and B?
2. In Figure A, which air mass is densest? Which is least dense?
3. Why doesn't the warm front in Figure B touch the ground?
4. Predict what would happen if both cold air masses had the same temperature.
5. Where would you expect clouds and precipitation to form in each type of occluded front?