

COLD FRONT CHARACTERISTICS IN OKLAHOMA LATITUDES

STUDENT QUESTIONS SHEET

Analysis of October or November cold front (circle which one you studied).

Animate the movies showing air temperature and watch for patterns and changes.
Do the animation for dew point, solar radiation, rainfall and wind.

1. Describe how the air temperatures change across the state as the cold front passed through.
2. In what area were the coldest/warmest temperatures during the passage?
3. How did you know where the cold front was?
4. By the time the cold front arrived in central Oklahoma, the Panhandle area in the west is warming. Why?
5. Describe how the dewpoint temperatures change across the state as the cold front moves through.
6. Is there any rainfall associated with this cold front? If so, where does it fall with respect to the position of the front?

7. Is there cloud cover associated with this front? If so, where are the clouds with respect to the position of the front?

8. Describe how the wind changes across the state as the cold front passes through. Where would we find the strongest winds?

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Compare answers with the group studying the other cold front or look at the other animations for yourself.

9. List the similarities of the October and November cold fronts.

10. List the differences between the October and November cold fronts.