



APRIL 2

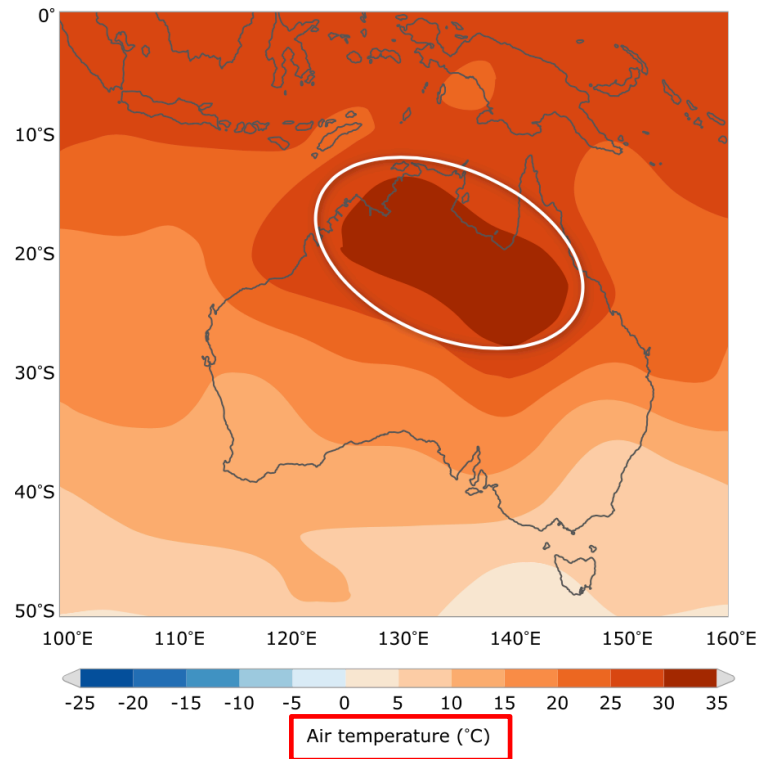
REVIEW OF WEATHER AND CLIMATE CONCEPTS



APRIL 2 AGENDA

- There is an optional ZOOM session today at 1:00. You are NOT required to attend, but you are welcome to if you have questions or want feedback.
- Your 2 minute statement must be submitted today by 5:00 pm. Submit to the Remote Science Class Padlet: https://padlet.com/simmonsjl_ums/dd6qh1hioq2
- The planning page (page 1) of the Debate Reflection was due March 31. Complete it today if you have not, and submit it to the Science Padlet: https://padlet.com/simmonsjl_ums/gzrw6u3g2s6x (It is short!)
- Complete any IXL modules that you are missing. There are 5 that have been assigned. They are under the DD. Weather unit. The ones you should complete are starred.
- Tomorrow we will have a mini-quiz on mastery connect. The remainder of this PowerPoint is a study guide for tomorrow. Record your answers in the **Science Padlet** in your column.

REVIEW OF AIR MASSES



Data source: United States National Oceanic and Atmospheric Administration/Earth System Research Laboratory, Physical Sciences Division

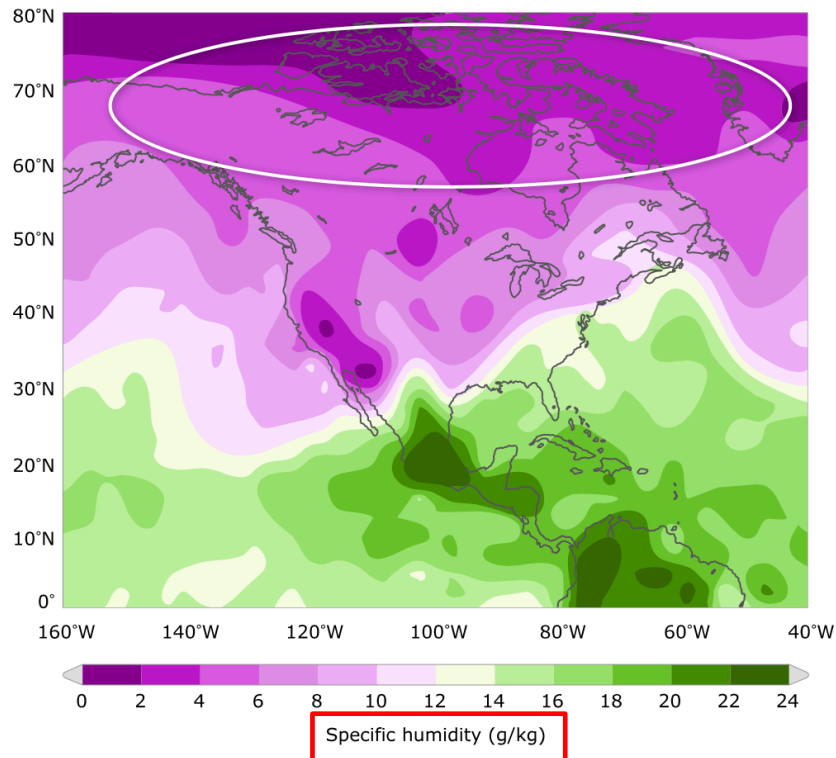
1. The air mass shown would best be described as:

- a. a warm air mass
- b. a cold air mass
- c. a high air mass
- d. a low air mass

2. If this air mass meets with a blue air mass, which of the air masses will rise to the top?

- a. the blue air mass
- b. the red air mass
- c. neither one will rise to the top
- d. there is not enough information to know

REVIEW OF AIR MASSES



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3. The air mass shown MOST likely formed over:

- a. land near the equator
- b. land near the north pole
- c. an ocean near the equator
- d. an ocean near the north pole

4. Is this air mass likely to produce precipitation within 24 hours?

- a. Yes, because it is a very warm air mass.
- b. No, because it is a very warm air mass.
- c. Yes, because it is a very humid air mass.
- d. No, because it is a very dry air mass.

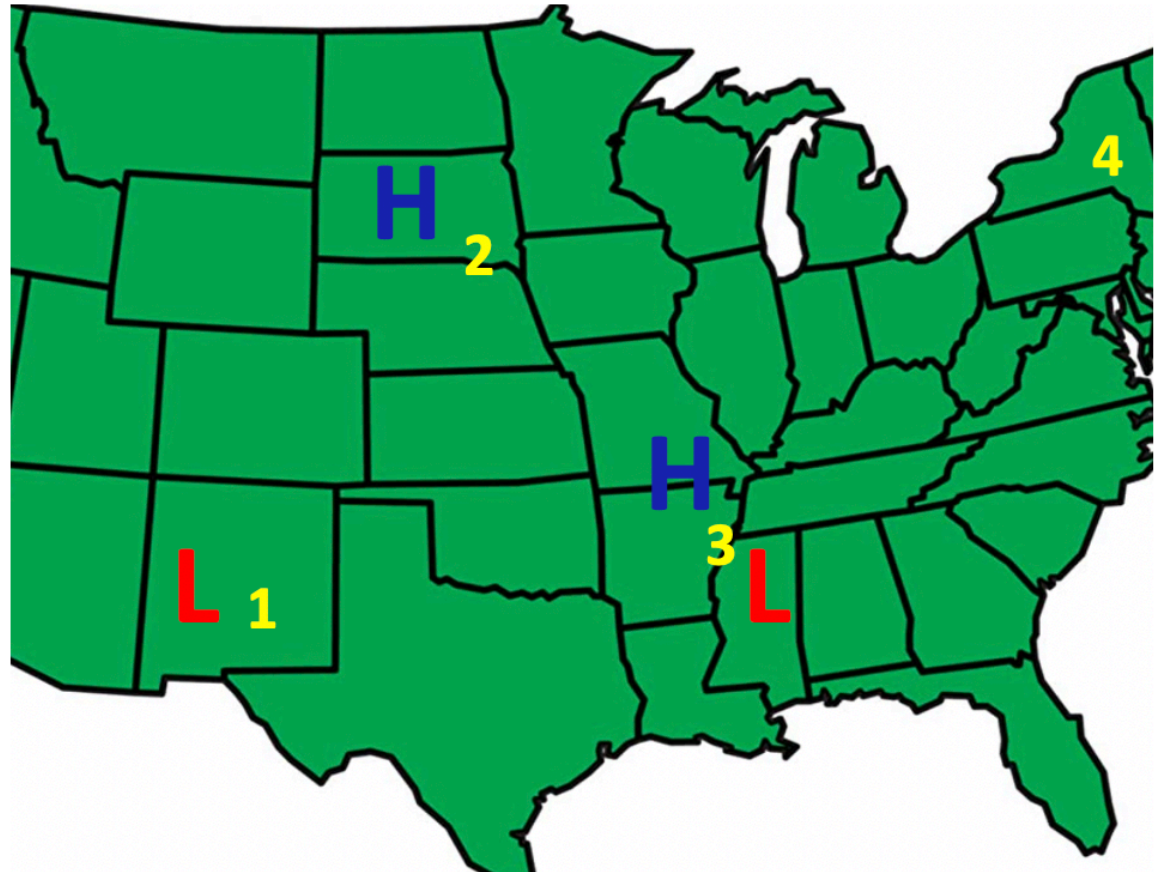
REVIEW OF AIR PRESSURE

5. Which location is MOST likely to have good weather?

- a. 1
- b. 2
- c. 3
- d. 4

6. Which statement(s) about air pressure is/are true?

- a. High pressure means warm air is rising there
- b. Low pressure means warm air is rising there
- c. Air moves from low pressure to high pressure
- d. Air moves from high pressure to low pressure



REVIEW OF FRONTS

7. Which city has a cold front approaching?

- a. Minneapolis
- b. San Francisco
- c. Salt Lake City
- d. Chicago

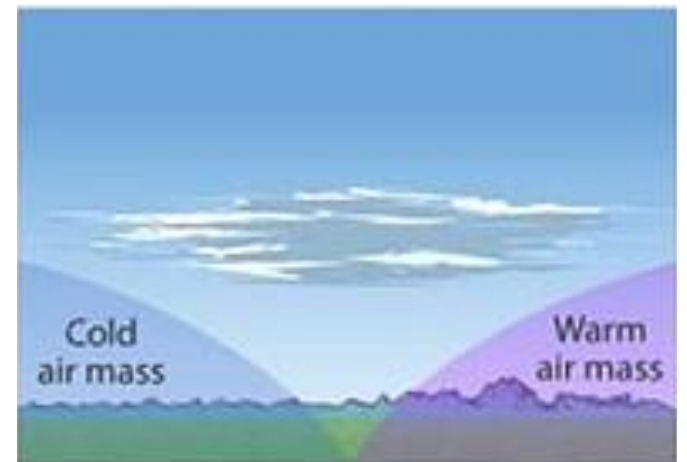
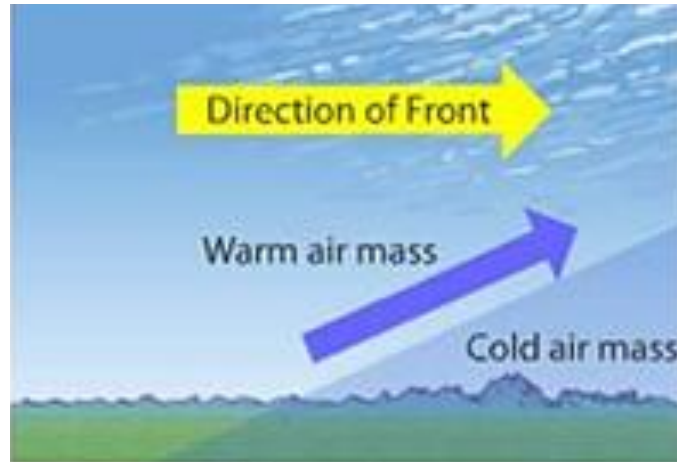
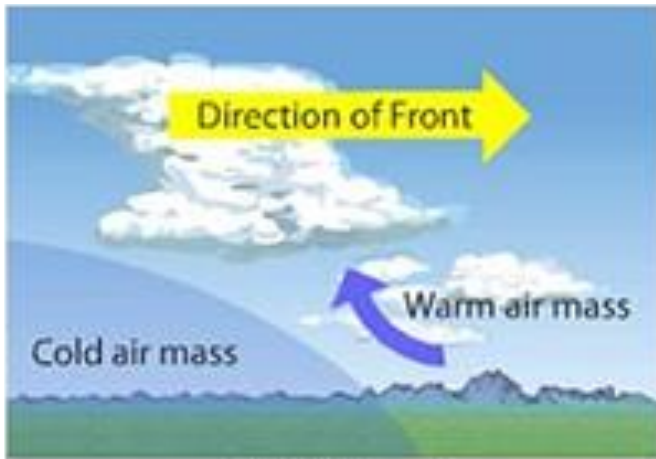
8. Which city will probably have warmer temperatures tomorrow?

- a. Kansas City
- b. Minneapolis
- c. Great Falls
- d. Washington DC



REVIEW OF FRONTS

9. Label each weather front with the correct name.



10. Which type of front is most likely to produce thunderstorms?