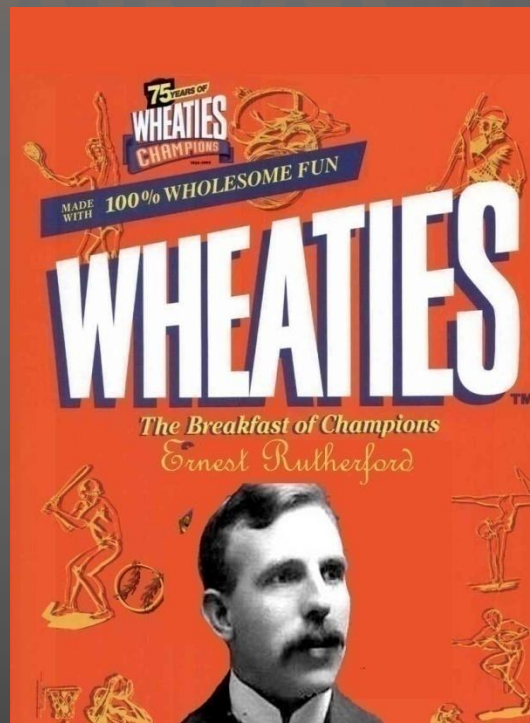


Review Game

Sponsored by



Question and Answer
Samples and Techniques



And by...

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1. In what direction does the Earth rotate, and what wind-changing force is the rotation responsible for?

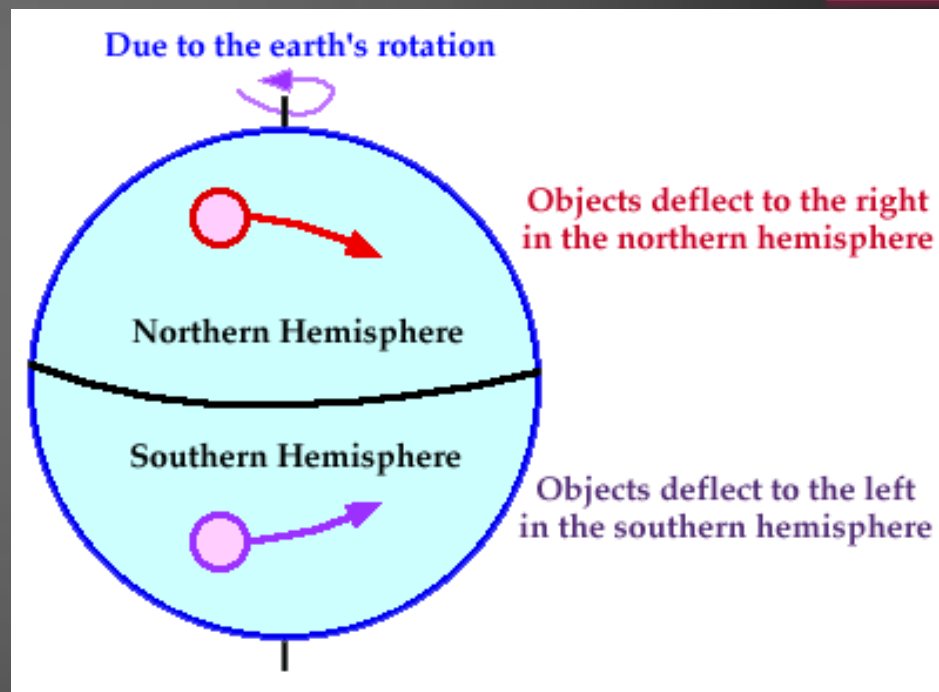
A. Eastern to western Canada; coriolis

B. West to east; Coriolis

C. West to east; pressure

D. East to west; pressure

E. None of the above

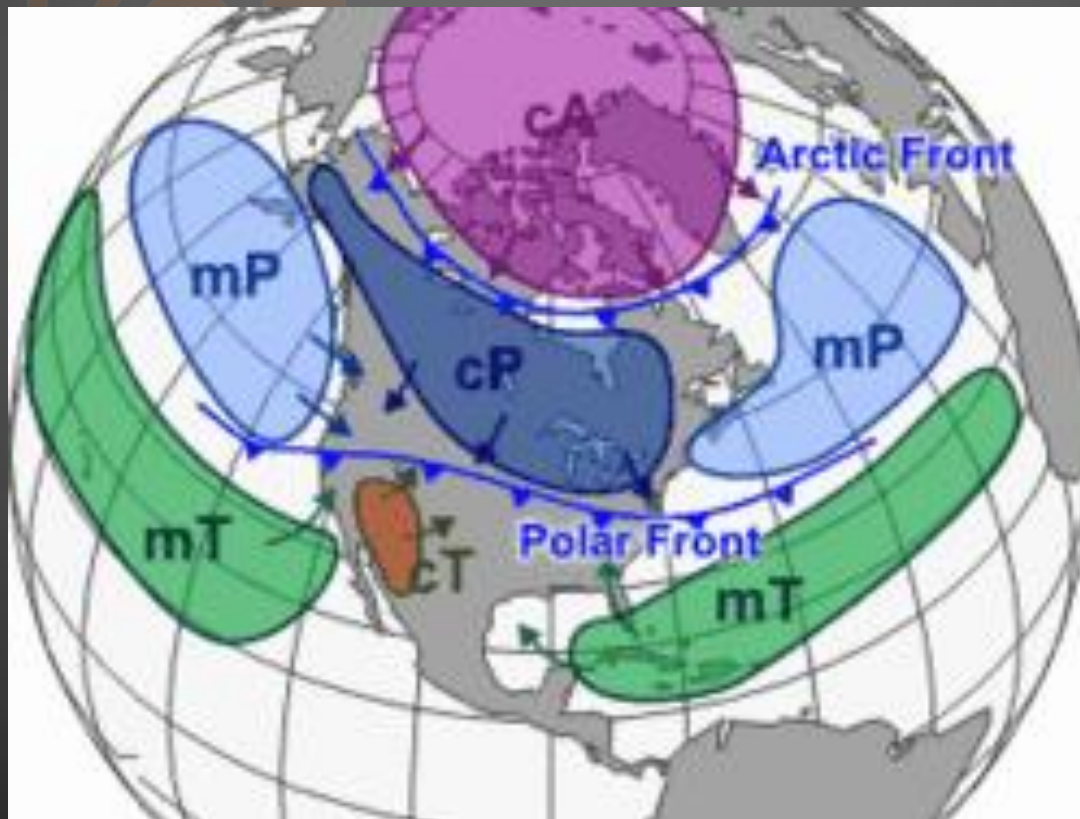


2. Match the greenhouse gas with its source.



3. *Temperatures and humidity levels are similar at different locations of the same air mass .*

TRUE or FALSE?



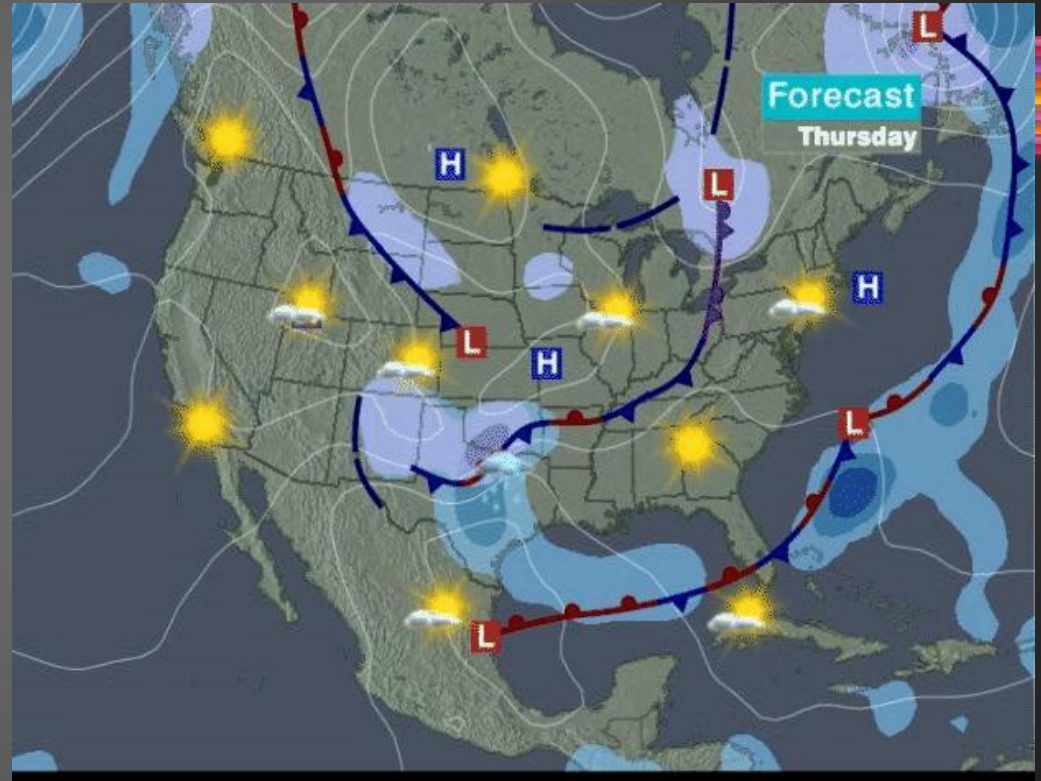
4. Where would you be if your weather was often influenced by the maritime tropical air mass?

- A. Alaska
- B. Baja California
- C. Nova Scotia
- D. Panama
- E. None of the above

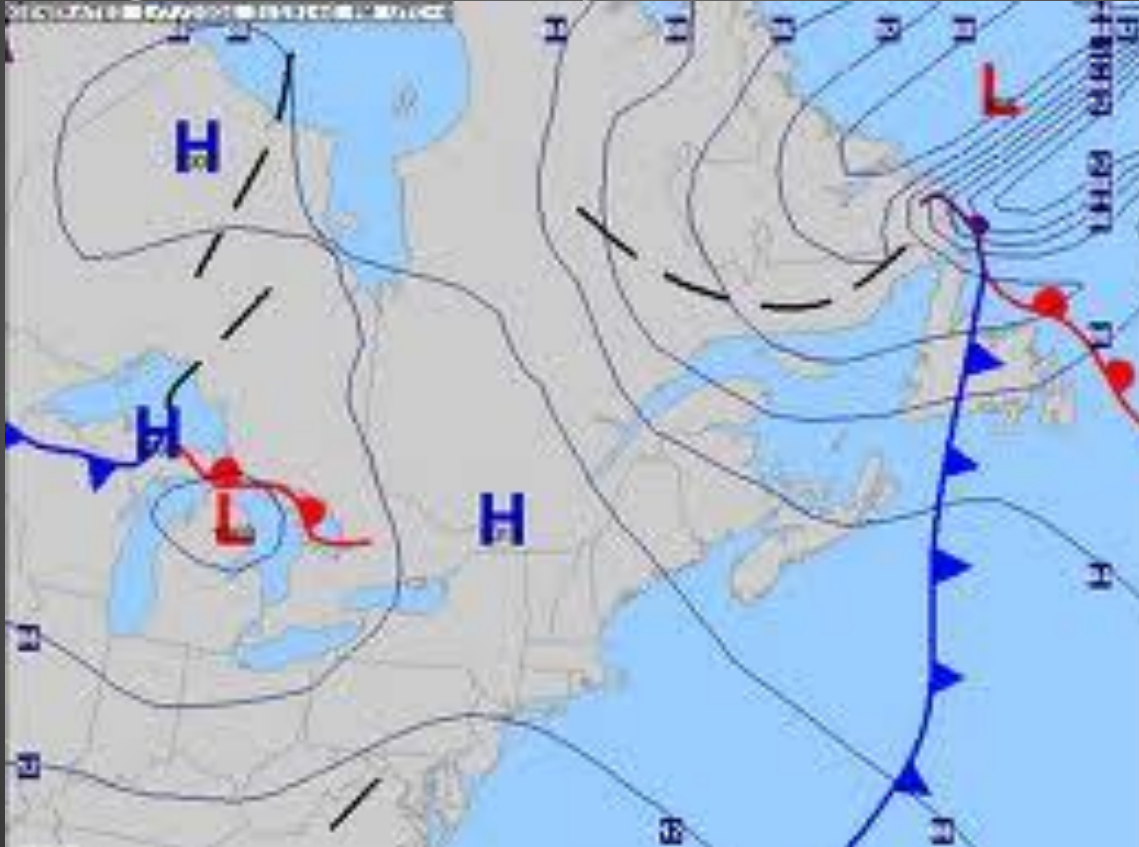


5. Which province is/are experiencing an occluded front?

- A. Alberta
- B. Ontario
- C. Alberta and Ontario
- D. Newfoundland coast
- E. None of the above



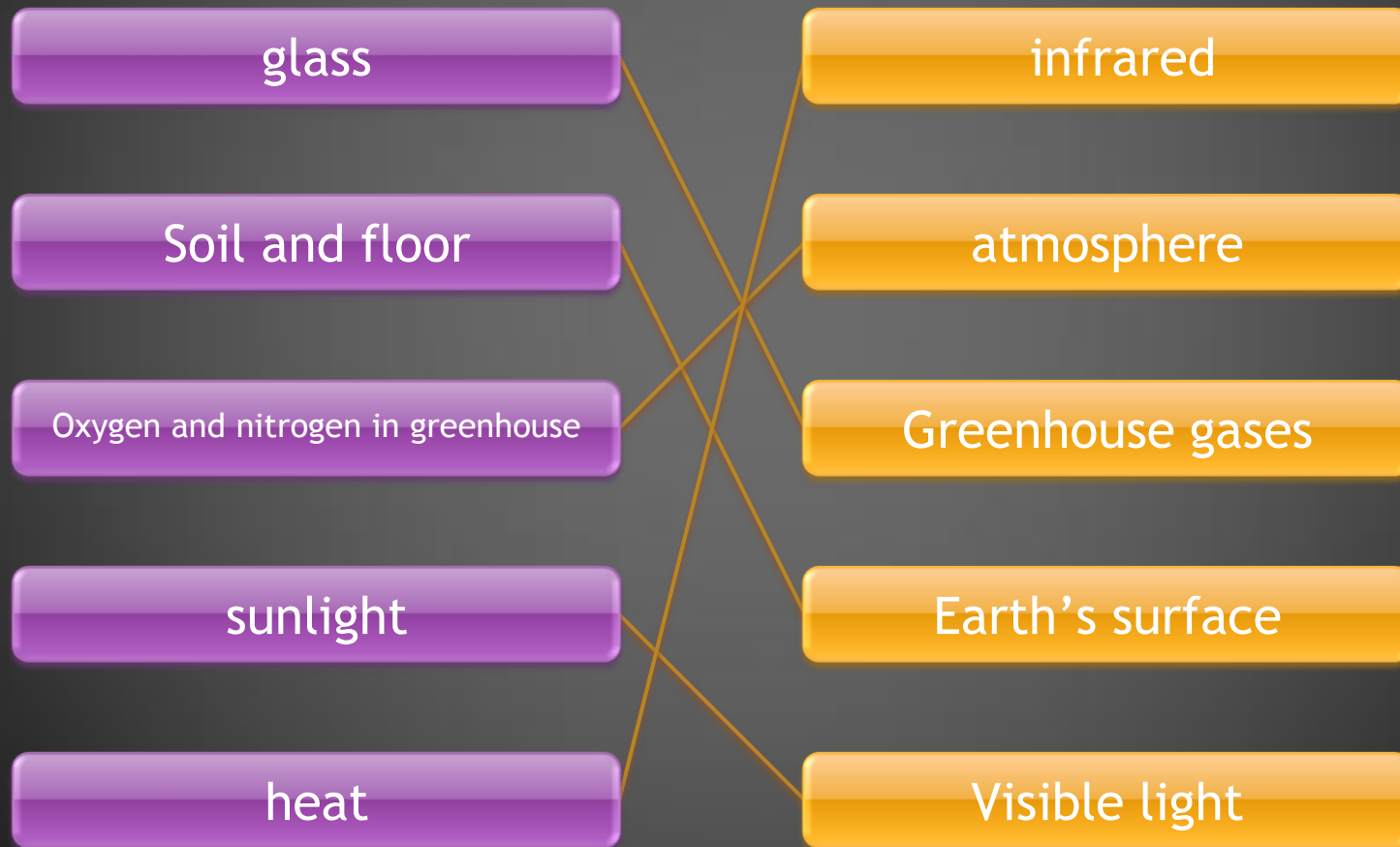
7. List two regions(Labrador, N. Ontario, S. Quebec, Nfld, Gaspe, Nova Scotia) that are getting nice, sunny weather.



Northern Ontario, Southern Quebec.

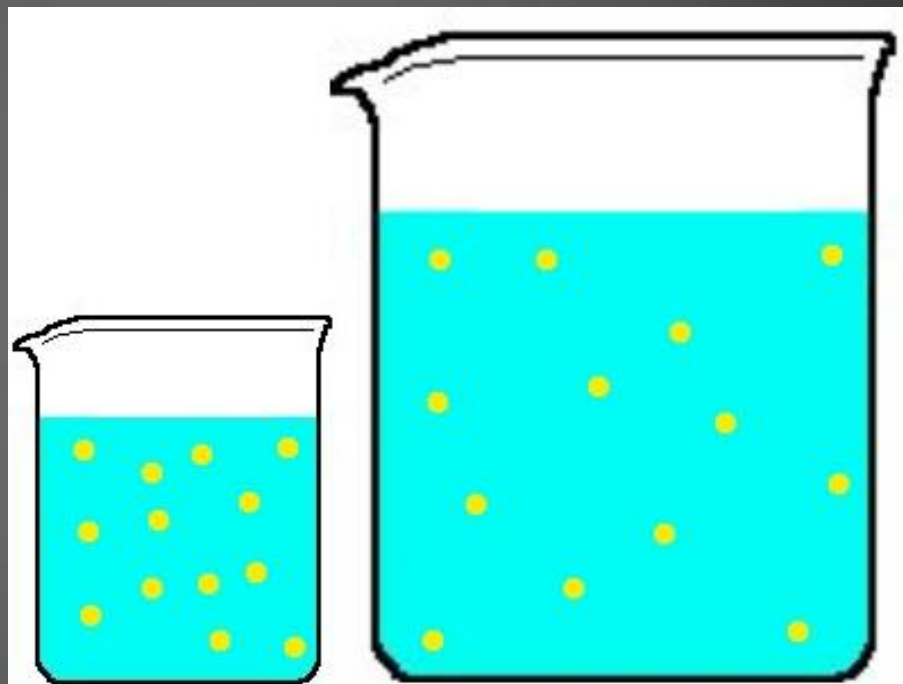


6. Match the greenhouse component with its atmospheric analogue.



8. What is the volume of a 2.0 M $\text{NaOH}_{(aq)}$ solution containing 8.0 g of $\text{NaOH}_{(s)}$?

- A. 4.0 L
- B. 100 mL
- C. 16 L
- D. 10 000 mL
- E. None of the above



9. What volume of 0.50M $\text{KOH}_{(aq)}$ will react with 400 ml of a 3.0 moles/L solution of H_2SO_4 ?



$n = CV$ for acid

$$0.400\text{L} * 3.0 \text{ mol/L} = 1.2 \text{ mol H}_2\text{SO}_4$$

$$1.2 \text{ mol H}_2\text{SO}_4 (2 \text{ KOH/ H}_2\text{SO}_4) = 2.4 \text{ mol KOH}$$

$n = CV$ for base

$$2.4 \text{ mol KOH} = 0.50 \text{ mol/L (V)}$$

$$V = 2.4/0.50 = 4.8 \text{ L}$$