Chapter 14 Outline:Forecasting The Weather

- North American Weather Systems ➡
- Weather System Maps ➡
- Regional Weather ➡
- Precipitation ➡
- Humidity ➡
- Weather Heritage ➡
- Weather Forecasting Technology ➡

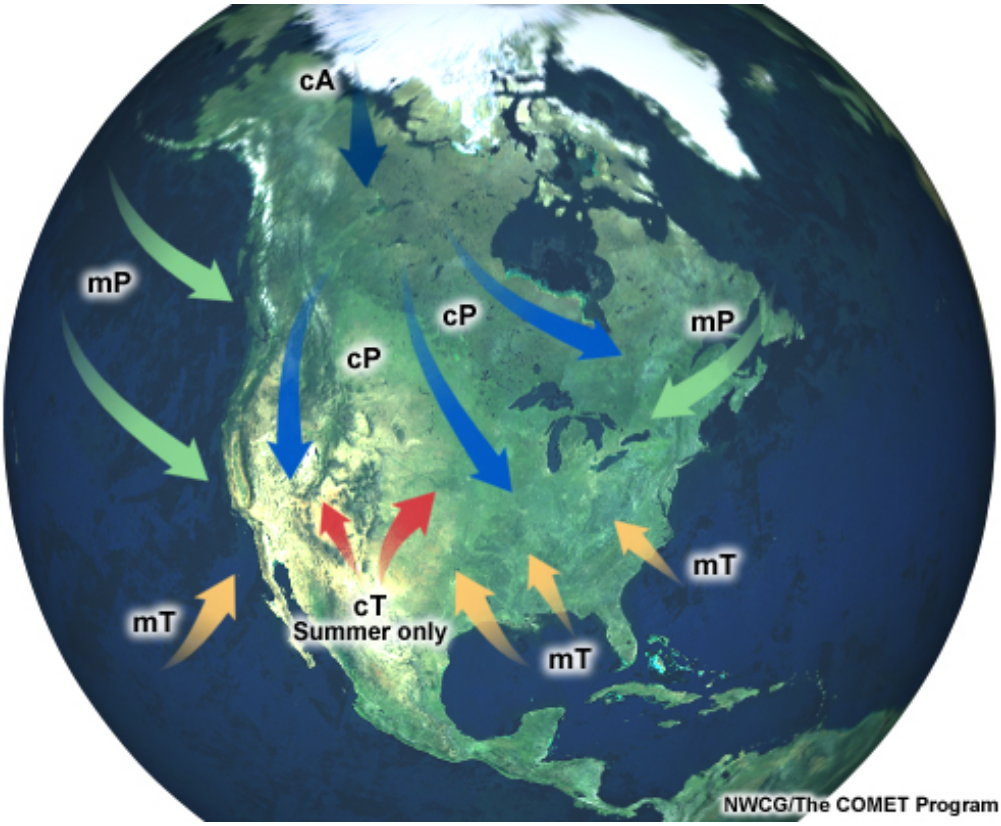
Text Pages 544-575

Vocabulary ➡

Chapter Summary p. 575

Chapter Review Questions ➡

North American Weather Systems



Arctic (cA): Extremely cold temperatures and very little moisture typify Arctic air masses. They usually originate north of the Arctic Circle, where winter days of 24-hour darkness allow the air t chill to extremely low temperatures.

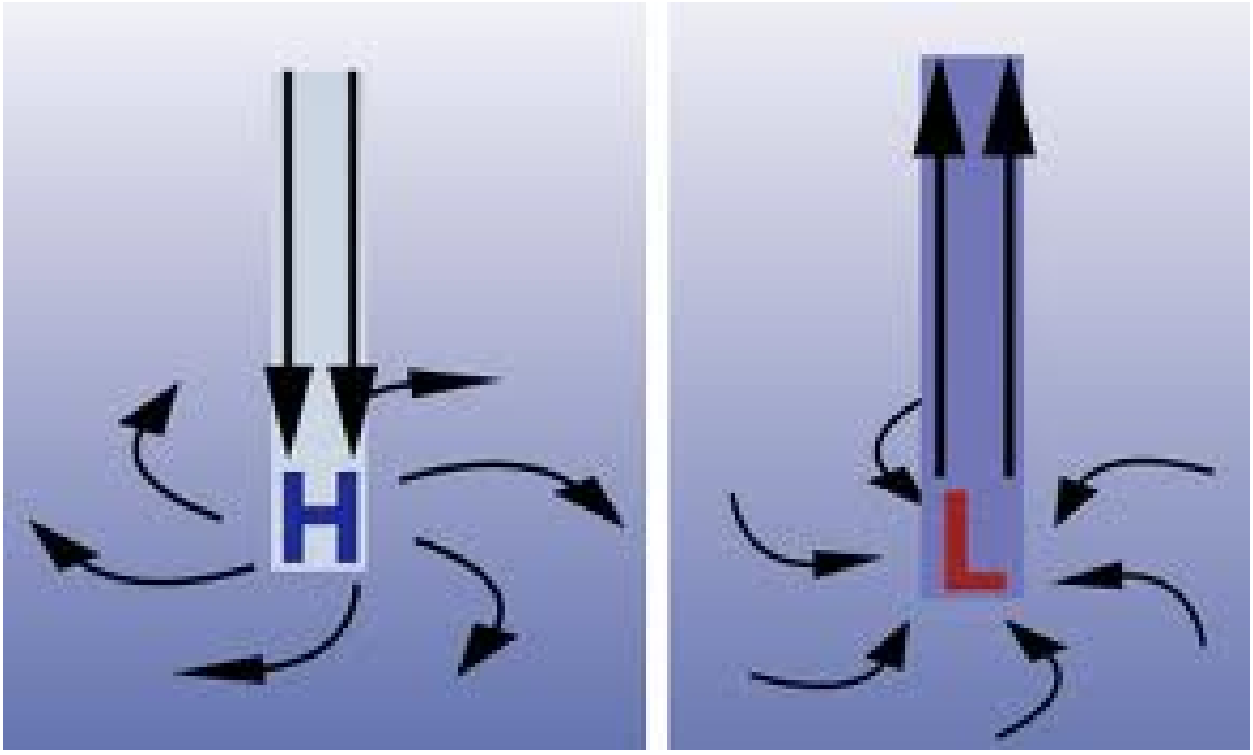
Continental polar (cP): Cold and dry, Continental polar masses are not as cold as Arctic air masses. These usually form further south in the subpolar Canadian North and Alaska and often dominate the weather picture across the continent during winter.

Maritime polar (mP): Cool and moist conditions characterize Maritime polar air masses. They usually bring cloudy, damp weather. Maritime polar air masses form over the northern Pacific an the northern Atlantic Oceans.

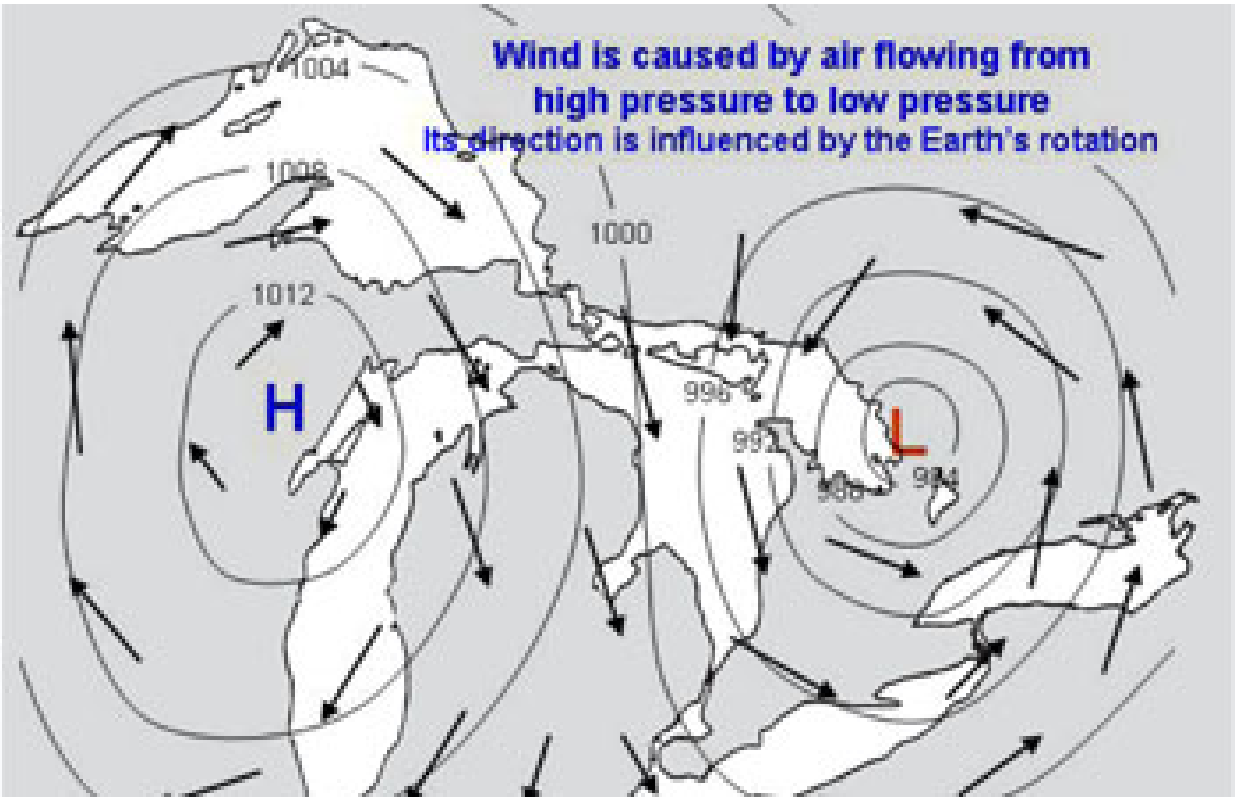
Maritime tropical (mT): Warm temperatures with copious moisture typify Maritime tropical air masses. They are most common across the eastern US and southeastern Canada originating over the warm waters of the southern Atlantic Ocean, Caribbean Sea and the Gulf of Mexico.

Continental Tropical (cT): Hot and very dry, Continental tropical air masses usually form over the Desert Southwest and northern Mexico during summer, often keeping the region scorching above 38 Celsius (100o Fahrenheit) during summer.

Pressure Systems-graphic

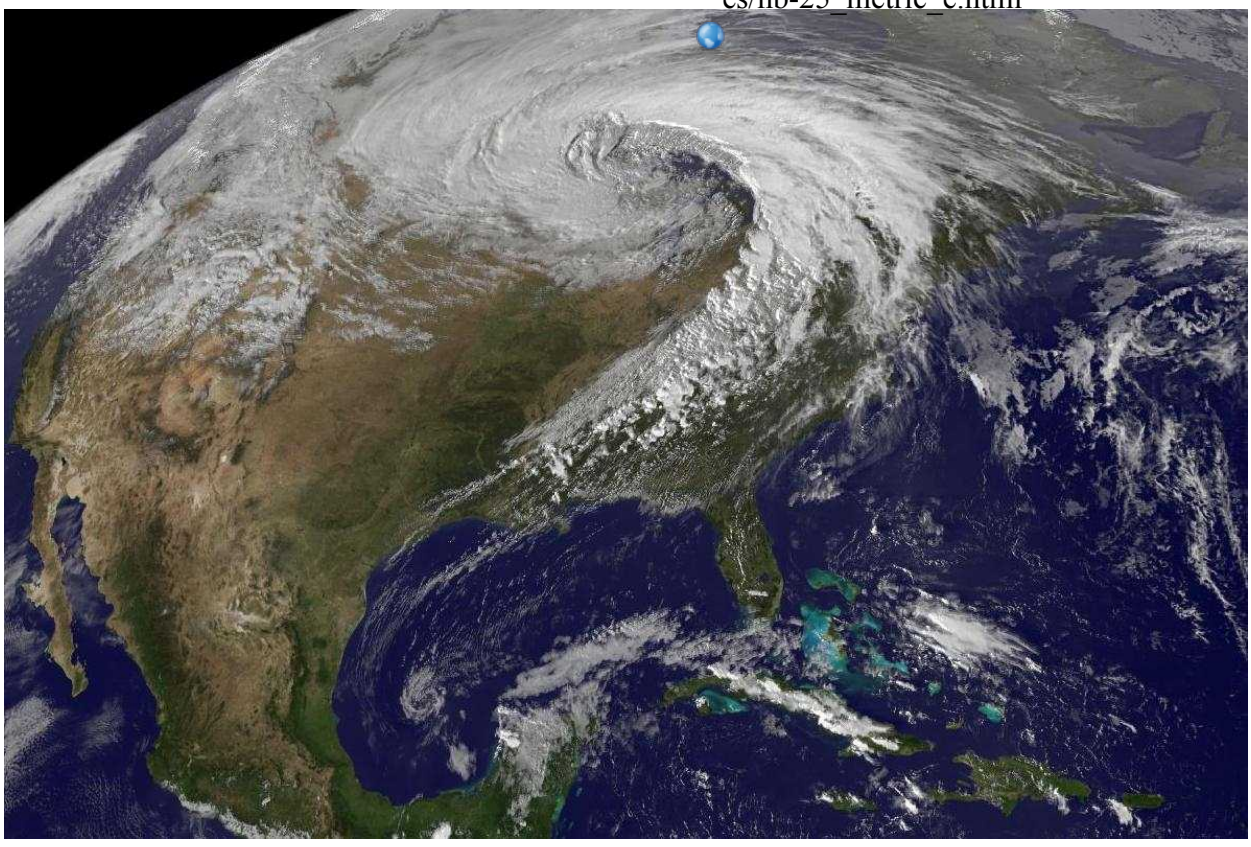


Pressure Systems-Map

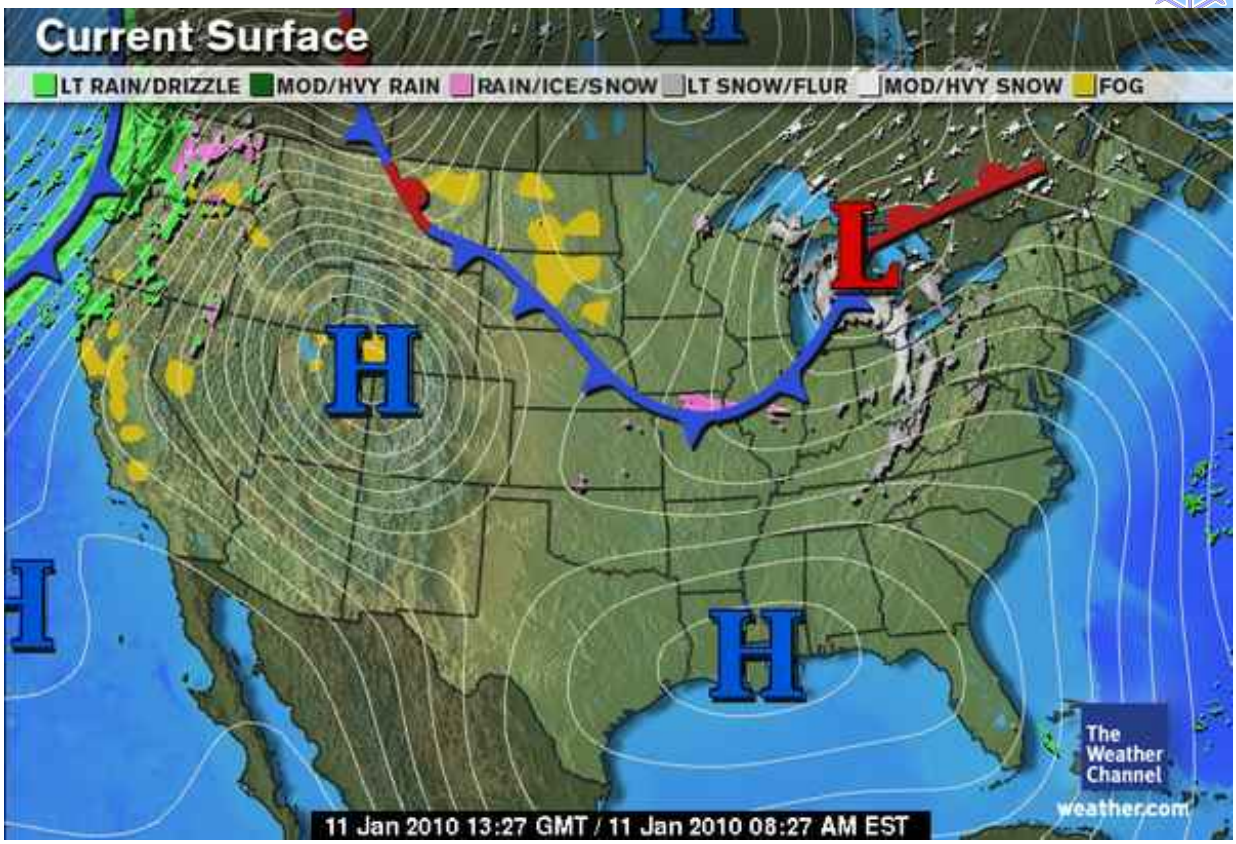


Pressure Systems-Satellite Image

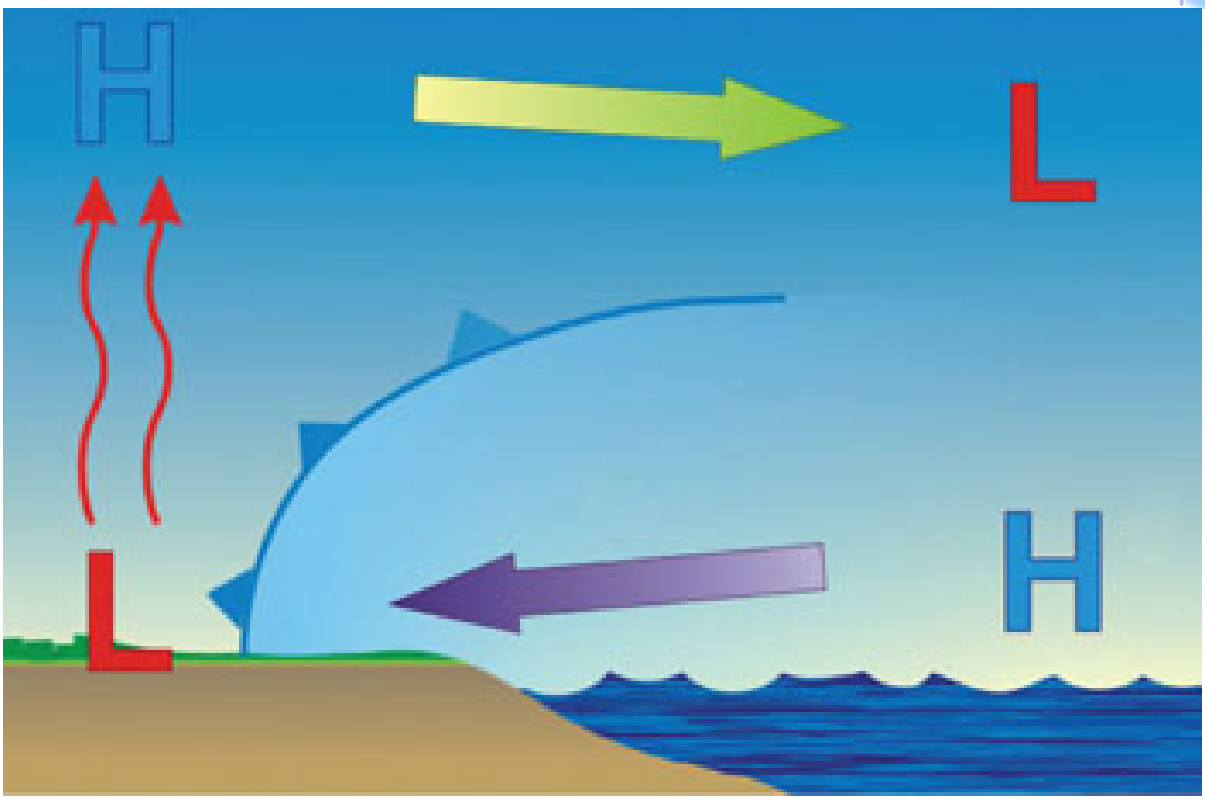
http://www.weatheroffice.gc.ca/city/pages/nb-25_metric_e.html



Weather System Maps



Regional Weather



Precipitation

Humidity

Weather Heritage

Forecasting Technology

Chapter Review Questions

To Review for the Chapter test, answer the following questions in your notebooks AND review ALL vocabulary.

p. 576
1-5,7,8,10,13,14

Weather Animation Links

http://www.classzone.com/books/earth_science/terc/content/visualizations/es2002/es2002page01
m?chapter_no=visualization

http://www.ehow.com/video_4435915_predict-weather-fronts-pressure-systems.html

http://terry-eng20.blogspot.ca/2012/04/weather.html

http://www.youtube.com/watch?v=fX7Q-0QuID4 Hurricane Season 2011

Attachments

Chap 14 Vocabulary.notebook