

Name: _____

CH 12 Meteorology

SECTION 1 The Causes of Weather

MAIN IDEA

DETAILS

Scan Section 1 of your text. Use the checklist below as a guide.

- Read all the section titles.
- Read all bold words.
- Look at all figures and photos and read their captions.
- Think about what you already know about the causes of weather.

Write three facts you discovered about the causes of weather.

1. _____
2. _____
3. _____

Review Vocabulary

Use your text to define the following term.

heat

New Vocabulary

Use your text to define each term.

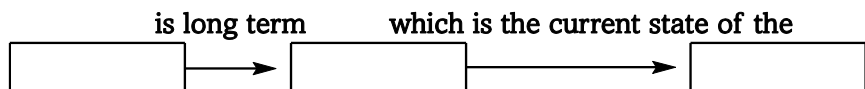
weather

climate

air mass

source region

Fill in the flow chart below with key terms from the section.



MAIN IDEA

DETAILS

Weather and Climate

Use with page 314.

Contrast *weather and climate by completing the table below.*

	Weather	Climate
Description		
Short or long term; measure of variations		

A Question of Balance

Use with pages 314–315.

Model *Draw a picture of the shadows of a person standing in their yard at 6 am, 12 noon, and 6 pm. Assume that north is to the top of the page. You will draw 3 pictures. Stick figures are acceptable!*

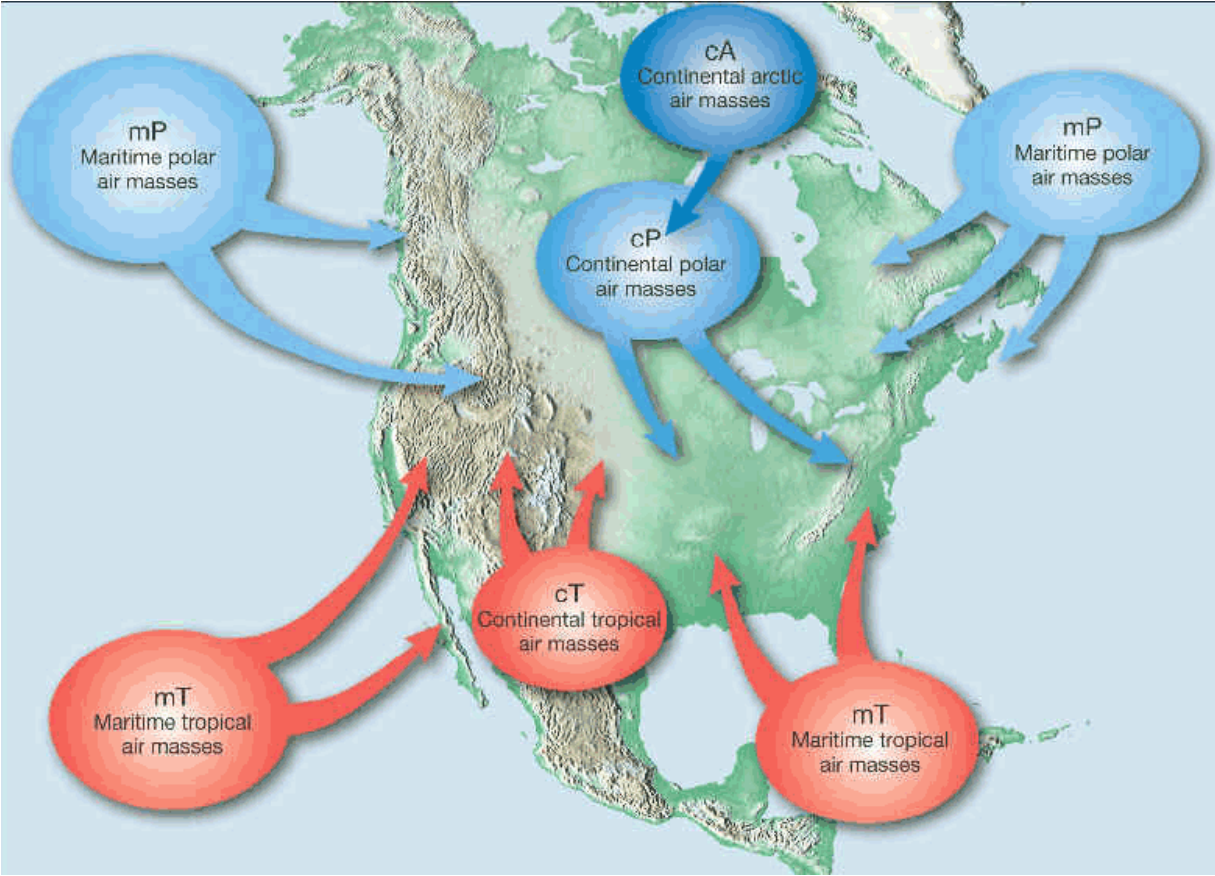
6am

12 noon

6pm

Explain *why it is warmest during the middle of the day and cooler in the morning and evening.*

Use the following picture help complete page 4



MAIN IDEA

DETAILS

Air Masses

Use with pages 316–317.

Compare *the major air masses impacting North America.*

Type of Air Mass	Source of Air Mass	Weather Associated with Air Mass
		hot, dry summers
Maritime tropical		
	interior of Canada and Alaska	
		heavy rains in winter on West Coast
Arctic		

What if *you are visiting the deserts of the southwestern United States? A sudden thunderstorm moves in. Hypothesize what type of air mass could have brought that storm, and where it likely originated.*

REAL-WORLD CONNECTION

What two air masses typically plays a role in Ohio area. What type of weather is commonly associated with each air mass. What season is the result from each air mass.
