

EST

The atmosphere: atmospheric circulation

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Complete this concept review handout and keep it as a record of what you have learned.

Definitions

• Atmospheric circulation is
Prevailing winds are
• An air mass is
A cyclone is

Atmospheric circulation cells

Cell	Location	Movement of air
		 Air over, rises into the atmosphere. It gradually as it travels toward the 30th parallel. It runs into winds from the Ferrel cell, descends and returns to
		 Part of the air approaching the 30th parallel surges toward Near the 60th parallel, this air collides with winds from The air rises and returns toward
		 The temperature of the air drops to its over

Name:		Group: _	Date:	
Prevailing wi	nds			
Winds	Winds Location		Direction in the Northern Hemispher	
Jet streams				
• Name:				
Speed:				
Location: _				
• Name:				
Speed:				
Location: _				
Characterist	ics of fronts			
Name	Formation	Movement of air	Meteorological conditions	
		The warm air rises ra above the cold air.	 Formation of puffy clouds (cumulus) Probability of wind and heavy rain 	
Anticyclones	and depressions			
Name	Formation	Movement of air	Meteorological conditions	
	Surrounds a high-pressure centre.			