

Name _____

Chapter 2- Weather- Review and Test Preparation

Vocabulary Review

<u>Word Bank</u> (one word is used twice)			
atmosphere	front	weather	wind
temperature	anemometer	weather map	

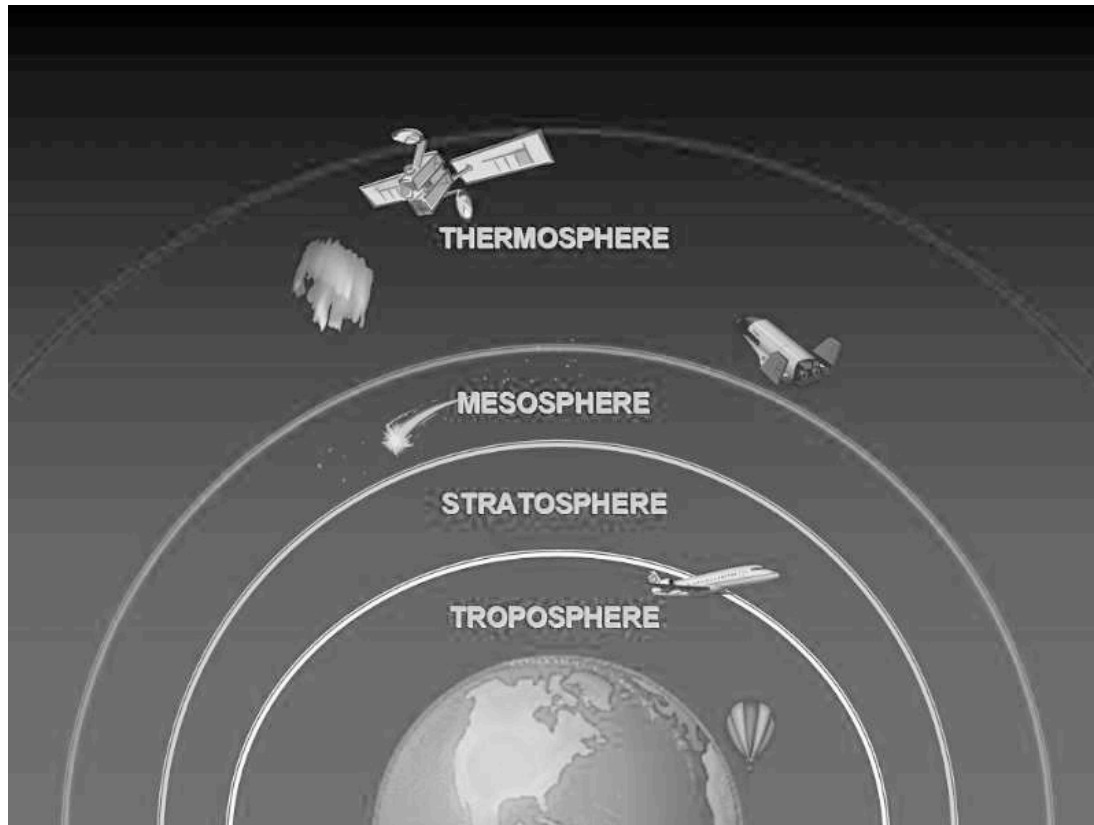
1. What is happening in the atmosphere at a certain time is **weather**.
2. A tool that measures wind speed is **anemometer**.
3. A **weather map** shows the weather over a large area.
4. The air that surrounds the Earth is the **atmosphere**.
5. The **temperature** is the measure of how hot or cold something is.
6. The movement of air is **wind**.
7. A **front** is a place where two air masses meet.
8. Weather occurs in the lowest layer of the **atmosphere- the troposphere**.

Measuring the Weathering

Complete the chart

<u>Tool Used</u>	<u>Measures</u>
Anemometer	wind
Snow board	Snow
Rain Guage	Rain
Thermometer	Temperature

Layers of the Atmosphere



The atmosphere acts like a blanket for Earth- it holds in the heat from the sun.

Troposphere- Layer closest to the Earth- we live in this layer. All weather takes place in this layer.

Stratosphere- Contains ozone. This absorbs the harmful rays from the sun.

Properties of Air

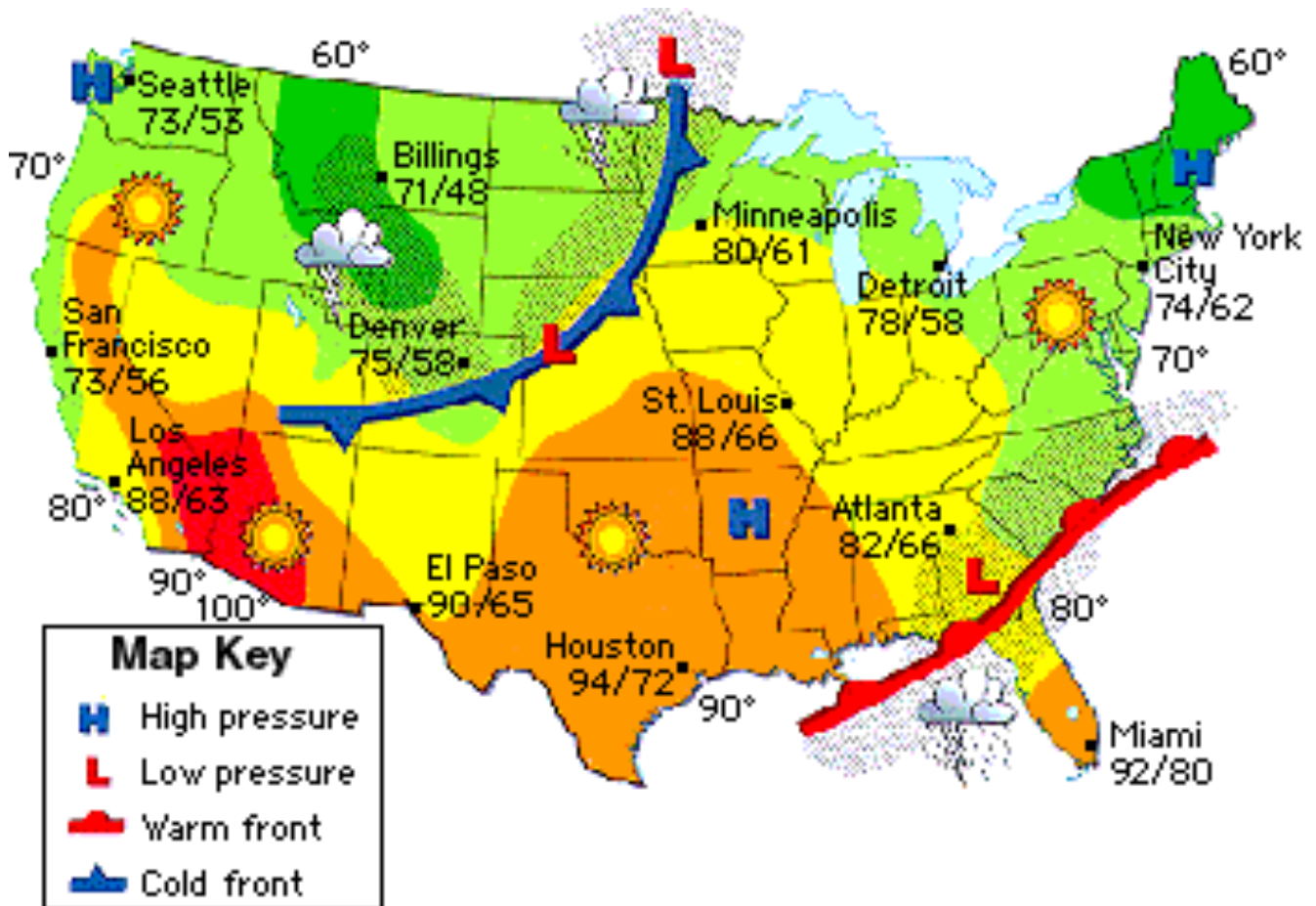
1. It takes up space.
2. It has weight.
3. It presses on things- air pressure. Wind happens because air pressure is different in different places.

Gathering Weather Data

Weather is gathered by weather balloons, satellites in space, airplanes, and weather stations on Earth (like the one at the top of Whiteface!). This information is then sent to *meteorologists* to make forecasts and make *weather maps*.

Weather Maps

The weather in the United States usually moves from the west to the east. Weather maps show warm and cold fronts, areas of high and low air pressure, precipitation and temperature.



According to the weather map, what do you predict the weather will be like in Detroit later in the week?

_____ A cold front will move through bringing rain. The temperature will drop. _____

Check for Understanding

1. The atmosphere is important because

A. it is clear.

B. it holds the Earth's heat

C. winds are light.

D. it has ten layers.

2. At a cold front,

A. warm air replaces cold air.

B. there is gentle rain.

C. winds are light.

D. there can be thunderstorms.

3. A _____ collects weather data on the ground.

A. satellite

B. airplane

C. weather station

D. weather balloon