

Science Chapter C1 Study Guide

- Sunlight passes through but does not heat the air.
- The heat of the Earth's surface heats the air.
- The sun heats the blacktop, cement, and buildings.
- When the liquid inside a thermometer gets warm it expands.
- The weight of the air on the Earth's surface is air pressure.
- Cool air forms a high-pressure area.
- A tool for measuring air pressure is a barometer.
- Some wind vanes have crossbars showing the four main directions.
- Clouds are formed from water vapor.
- Humidity and moisture mean about the same thing.
- An air mass is a large body of air with about the same temperature and humidity.
- When air masses meet, they stay separate.
- A cirrus cloud looks like feathers.
- A front is a place where air masses meet.
- A wind vane is used to measuring wind direction.
- Cumulus is a dome shaped cloud.
- A hygrometer measures moisture in the air.
- Blacktop is a surface that absorbs heat.
- Air masses move from west to east in the US and weather is created by air masses.
- Weather forecasters predict the weather based on information they have. Any tiny change in one of the weather forces can mean major changes in the weather we experience.