



**SCIENCE**  
**CHAPTER 9-WEATHER AND CLIMATE**  
**LESSON 3-WEATHER**  
**PART 2**



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## **WHAT DOES THE WEATHER MAP SHOW?**

- ❖ Weather maps show weather conditions at a certain time and place.
- ❖ They tell about air temperature, pressure, precipitation, and winds.
- ❖ Weather maps might also show the locations of fronts.

### **PRACTICE QUESTIONS:**



**What does this map show about the weather in the UAE?**

# FORECASTING

To forecast is to predict weather conditions.

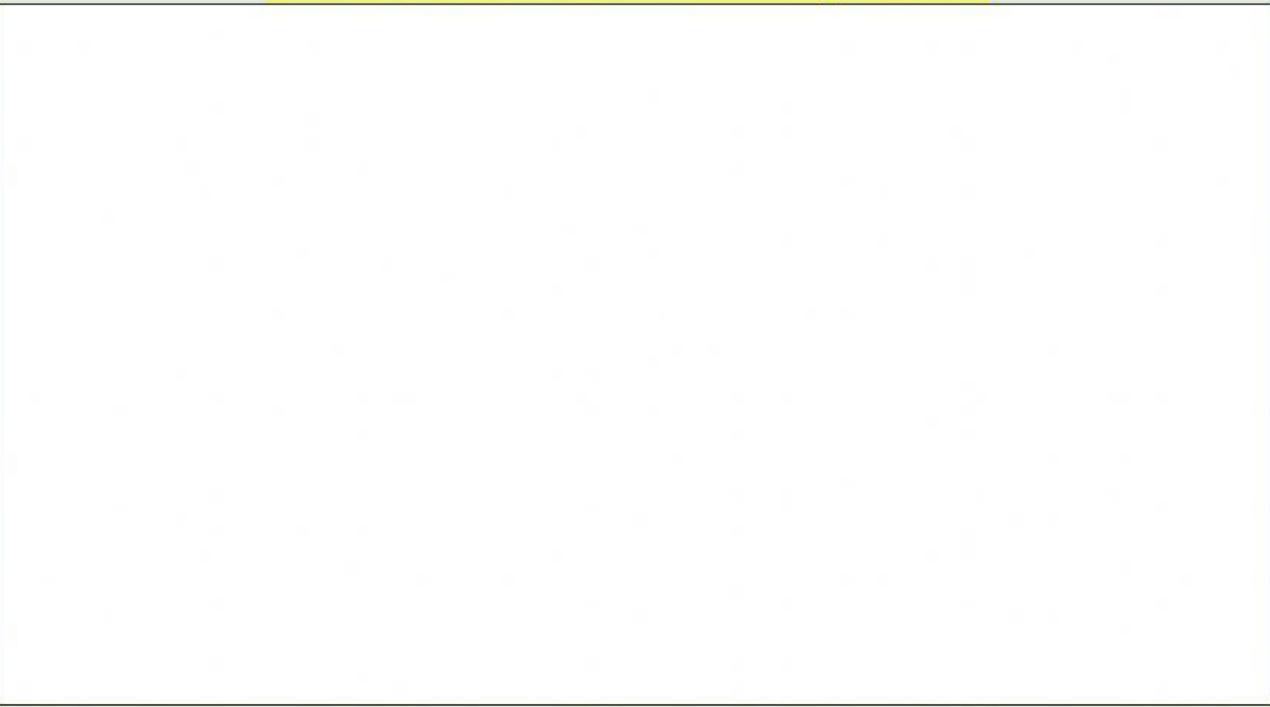
- ❖ Scientists use many technologies in forecasting.
- ❖ Satellites in orbit around Earth take pictures of the atmosphere.
- ❖ Computers help scientists analyze weather data and produce better weather maps.

## 7 DAY FORECAST EXAMPLE



**PRACTICE QUESTIONS:**

**Watch this video and answer questions**



<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<b>Saturday</b>

## SIGNS OF SEVERE WEATHER



Happens during thunderstorms, small but very strong wind, comes from thunderstorm clouds



Large storm that starts over warm ocean water, heavy rains, causes floods, very strong winds.



Heavy rain with thunder and lightning, sometimes hail, strong winds.

## SIGNS OF SEVERE WEATHER-SAFETY TIPS



**STAY AWAY FROM  
WATER AND  
TREES.**



**TO AVOID IT YOU  
MIGHT NEED TO  
MOVE INLAND.**



**HEAD FOR  
SHELTER, SUCH  
AS BASEMENT.**