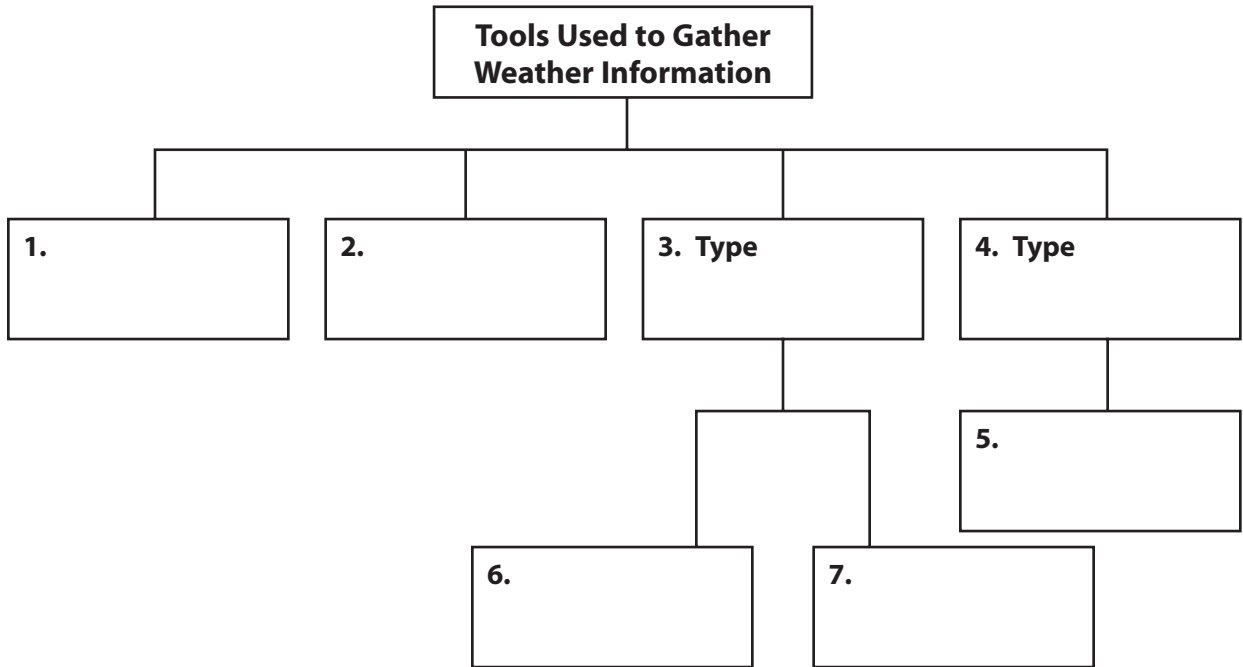## Content Practice A

Weather Forecasts

Directions: *Complete this concept map by choosing terms from the word bank and writing them in the correct spaces.*

Doppler	infrared	radar images	satellite images
surface reports	upper-air reports	visible	

Tools Used to Gather Weather Information

1.

2.

3. Type

4. Type

5.

6.

7.

Directions: *Answer each question on the lines provided.*

8. What is a weather forecast?

_____

_____

9. How do weather maps help with weather forecasting?

_____

_____

10. How do computer models help with weather forecasting?

_____

_____

Content Practice B

Weather Forecasts

```
Temperature (°F)                      Barometric
                                      pressure coded
Type of              76   19.4        Change in pressure
precipitation        70   +2          (in tenths of millibars)
Dew point                             Wind speed
temperature                           and direction
```
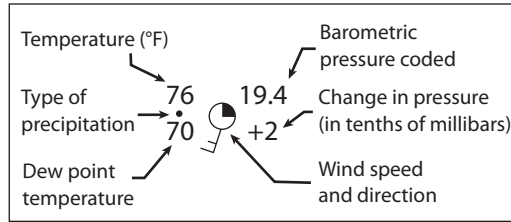
Directions: *Use the diagram to answer each question in the chart.*

Station Model	
What It Shows	**What It Tells**
The temperature is 76°F.	**1.** What is the dew point temperature?
	2. What does this tell you?
The barometric pressure is coded at 19.4.	**3.** What change in air pressure has occurred?
	4. What does this tell you?
It is raining, and the wind is from the southwest.	**5.** What does this tell you?

Directions: *Answer each question on the lines provided.*

6. What other information could be found on a weather map?

_____

_____

7. How might a computer model help make a weather forecast?

_____

_____

_____