



Weather

Science
Centers



created by:
The Curriculum Corner



Weather Centers

1. Weather Flap Book
2. Future Meteorologist /
Make a Forecast
3. Ready for the Weather
4. Make a Match
5. What's the
Temperature?
6. Weather Graphing

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Future Meteorologist



1. Complete the planning page. Record your observations about what you see outside.
2. Look at the forecast for today.
3. Write your own newscast sharing your weather observations and predications for the day. Be sure to include any safety or planning tips your listeners should have.

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Weather Flap Book



1. Cut on the dark, bold lines.
2. Fold on the dotted lines.
3. On the top flap, write the following weather terms:

rain, sun, snow, wind

4. Underneath the flap, use pictures and words to describe each term.



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Name: _____

planning
page

Future Meteorologist

Take a look outside. What do you see?

Look at the forecast.

What will the temperature be today?

What else can you share about today's forecast?

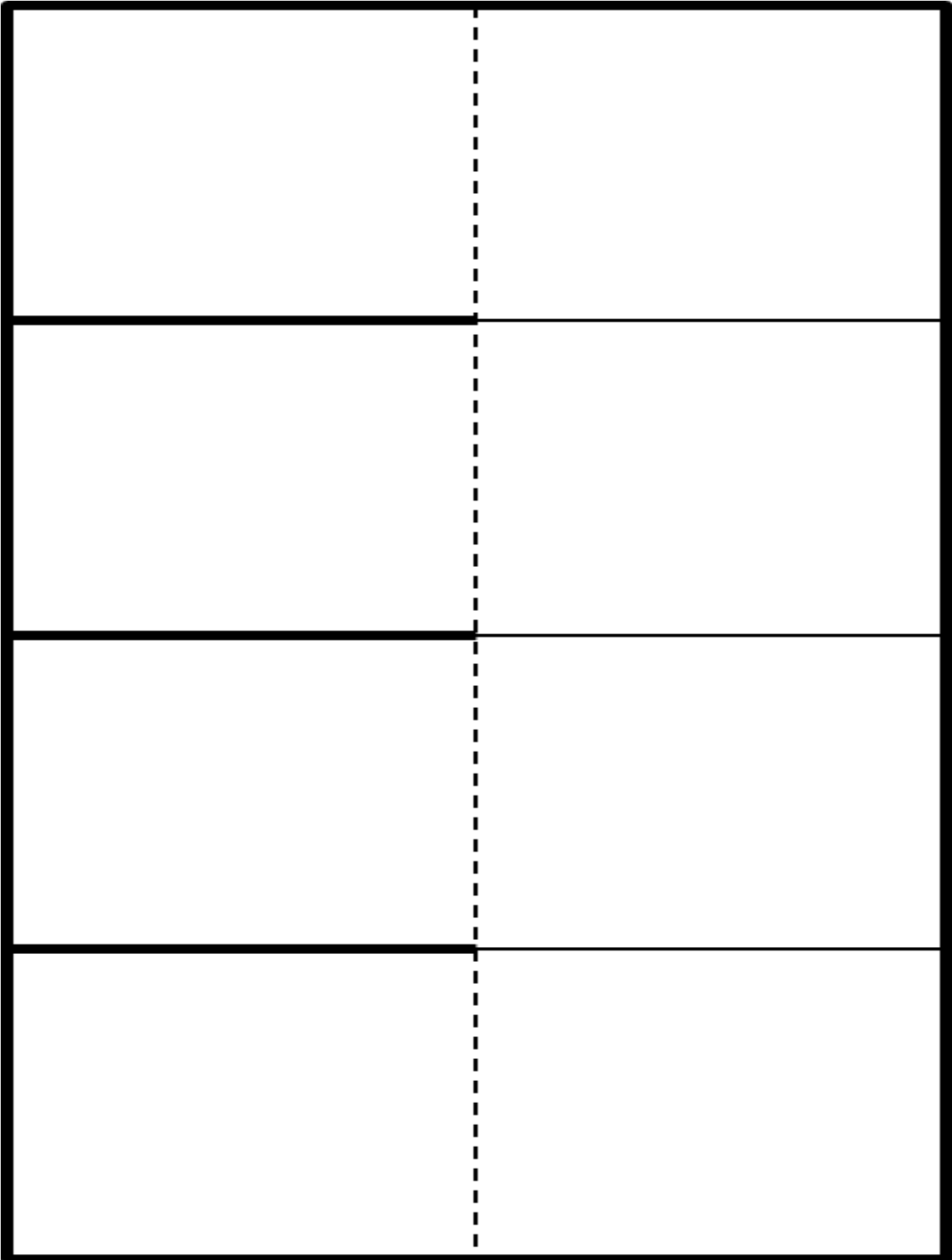
Think about what you have learned about today's weather.
What tips or advice can you give your listeners about going
outside today? (ex: *You better think about wearing
a hat today!*)



write your
forecast

write your
forecast

[illegible]



Ready for the Weather

1. Lay out the weather descriptions leaving lots of space underneath each.
2. Find three cards that make sense and go with each weather description. Place them under each description.
3. Now choose one picture card and write about why that item is important to the kind of weather you placed it with.



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Make a Match

1. Look at all the cards. Try to put them in groups that make sense with the type of weather.
2. Each stack will have a weather word, a picture and a child who is dressed for the weather.

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Today is:

a hot and sunny summer day

Today is:

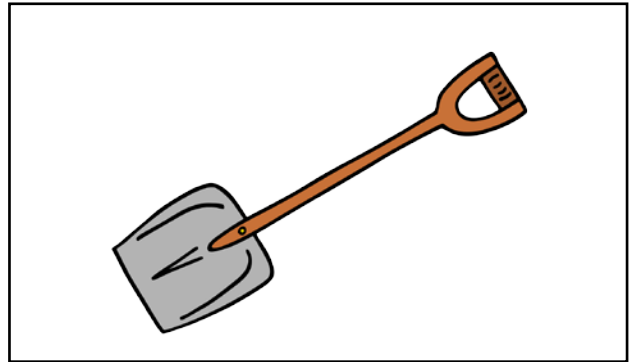
a windy fall day

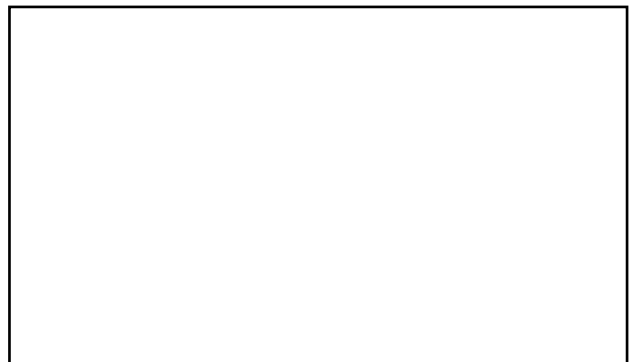
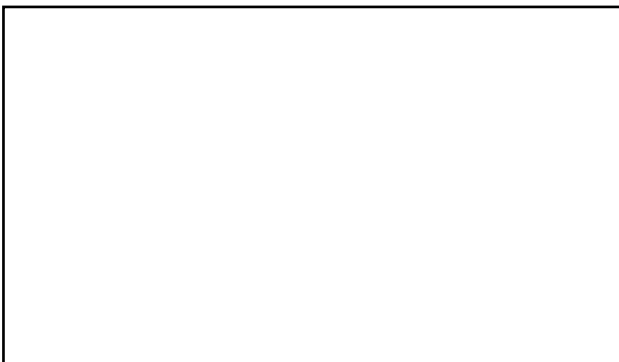
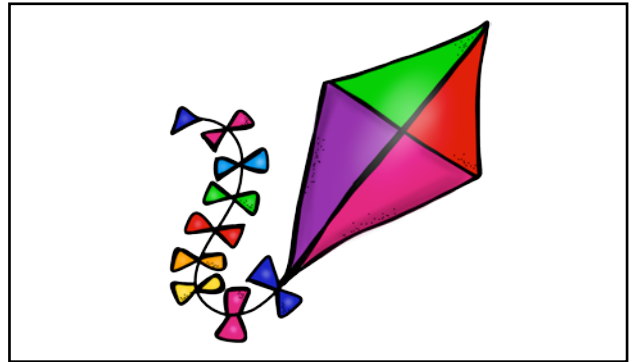
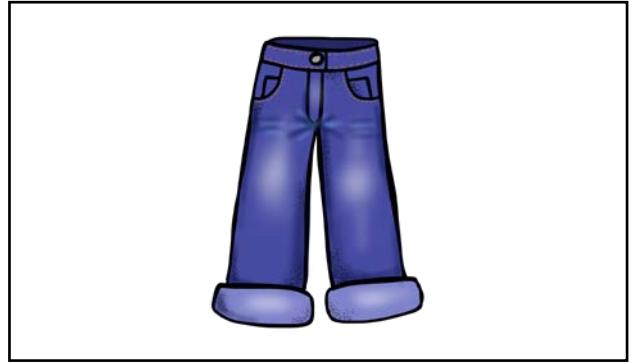
Today is:

a snowy winter day

Today is:

a stormy spring day





Name: _____



Write
about it!

Ready for the Weather

Think about the types of weather and the cards you put with each one. Choose one card and think about why that item is important for the type of weather you placed it with.

Write your reasons below. Be sure to write in complete sentences and use lots of details!

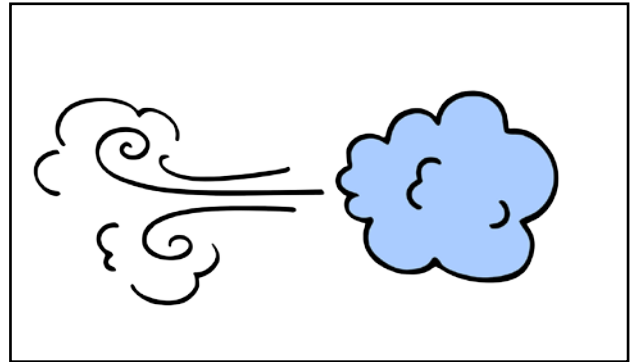
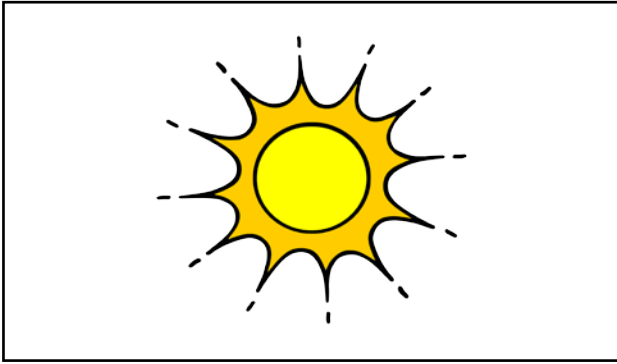
Wind

Sun

Rain

Snow





light or warmth that is given to the Earth from the star at the center of our solar system

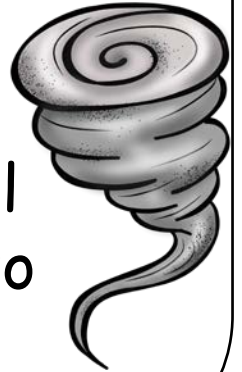
water vapor within very cold clouds that changes to ice crystals that fall from the sky

water vapor in the air that warms up and comes together to make larger drops that fall from the sky when they get heavy enough

air that is in motion and blowing in a particular direction

What's the Temperature?

1. Separate the thermometer cards from the temperature cards.
2. Match each thermometer with the correct temperature card.
3. Practice more by giving your partner a temperature. They will color in the large thermometer to match the temperature.



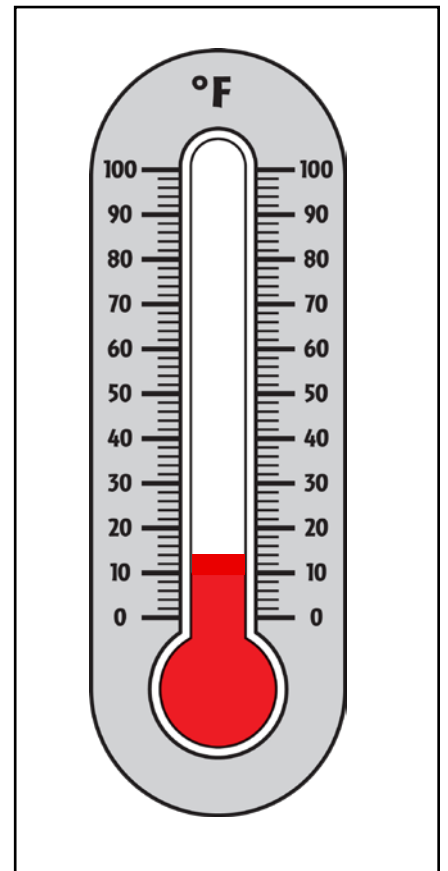
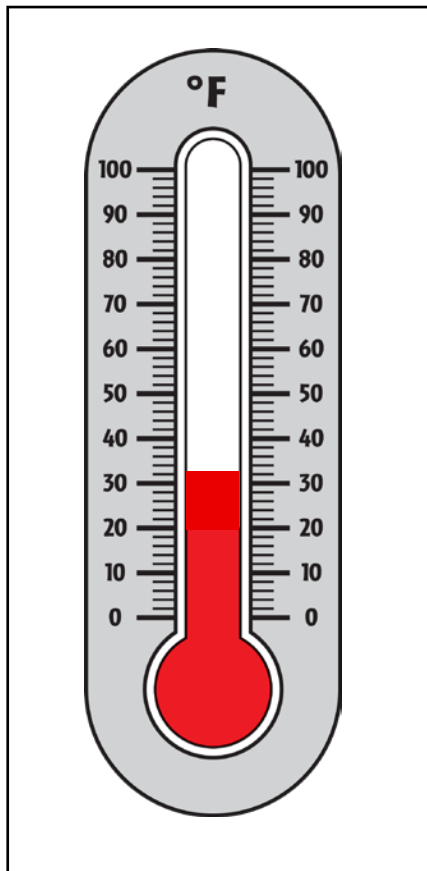
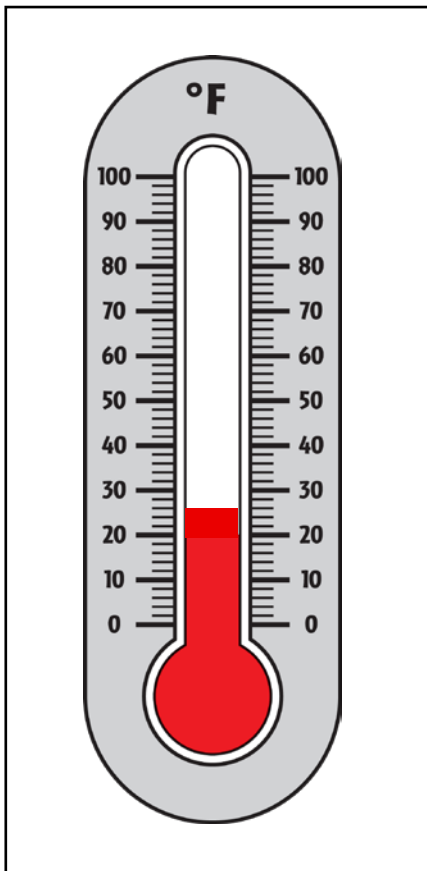
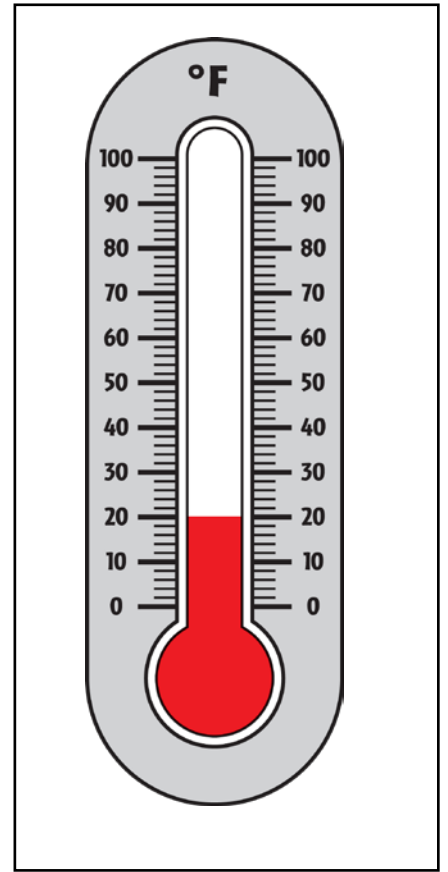
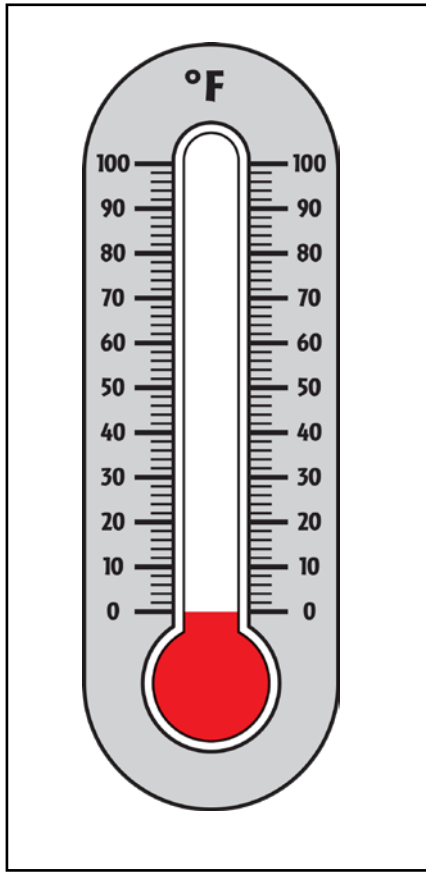
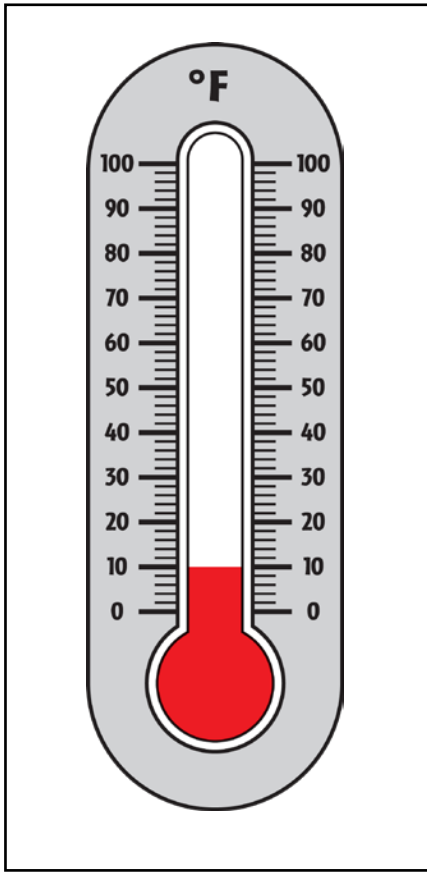
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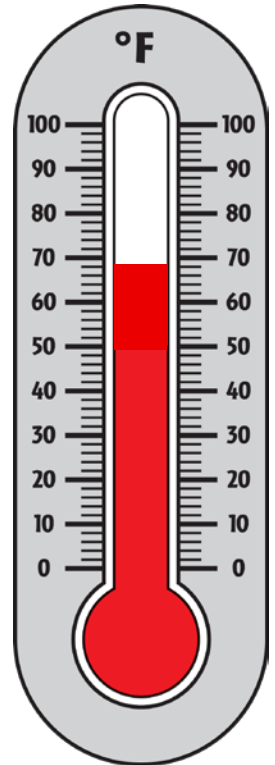
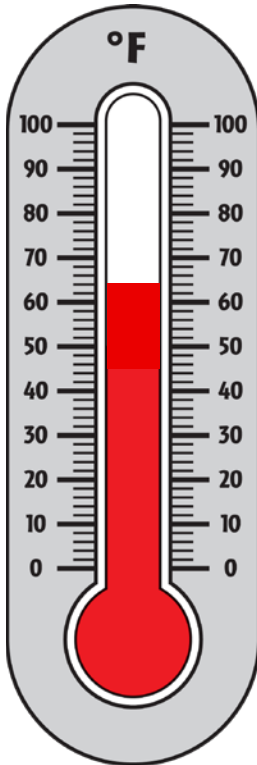
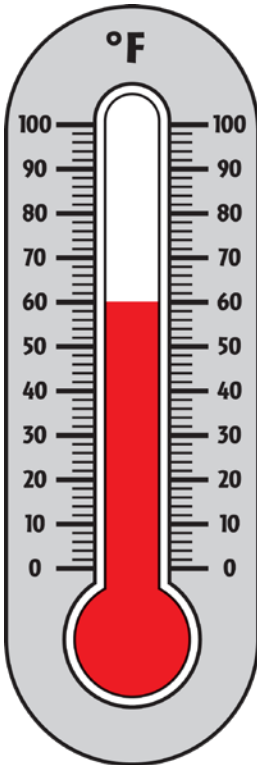
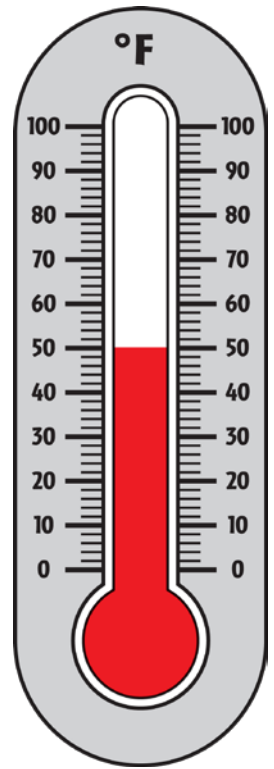
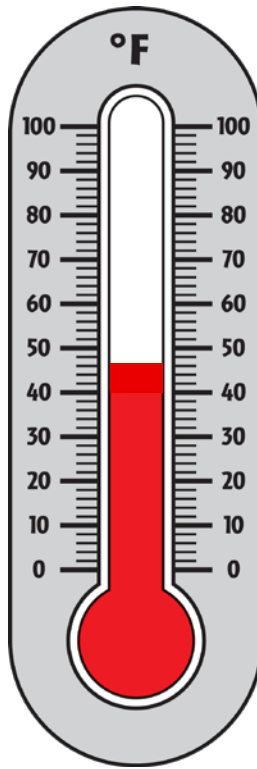
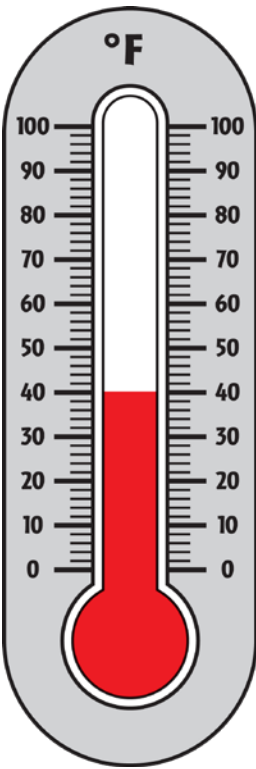
Graphing the Weather

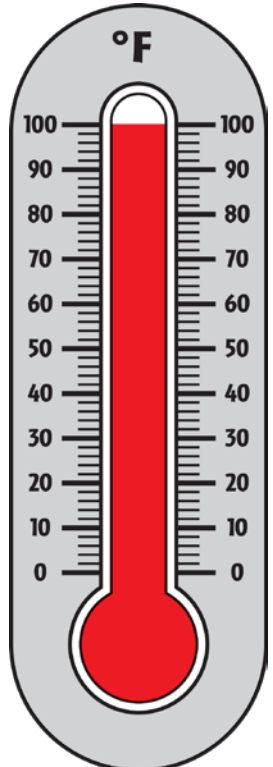
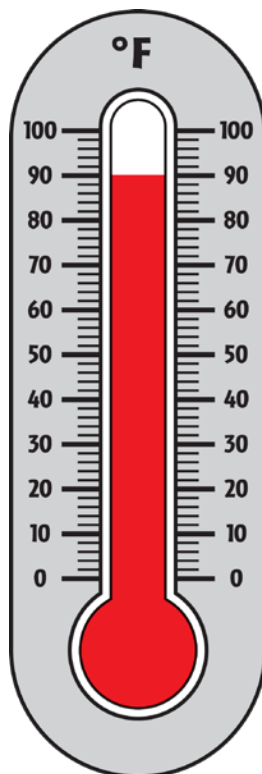
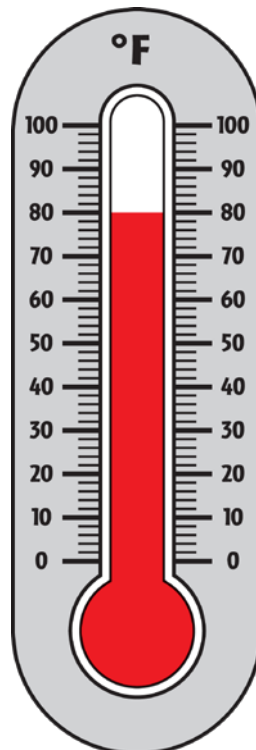
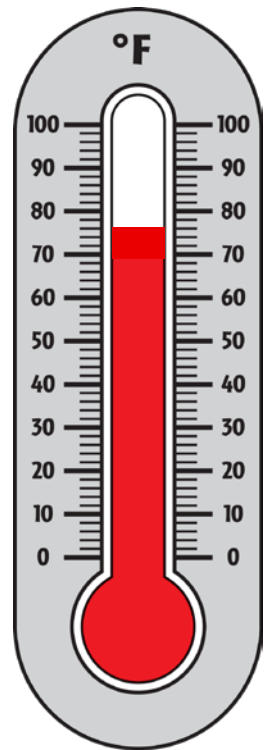
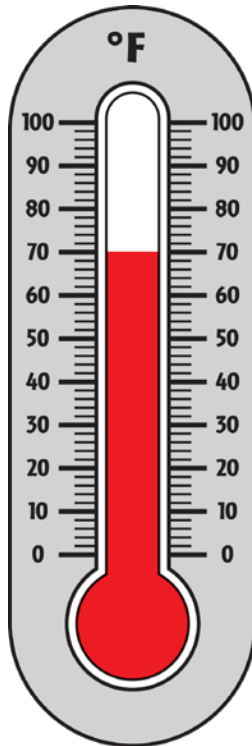
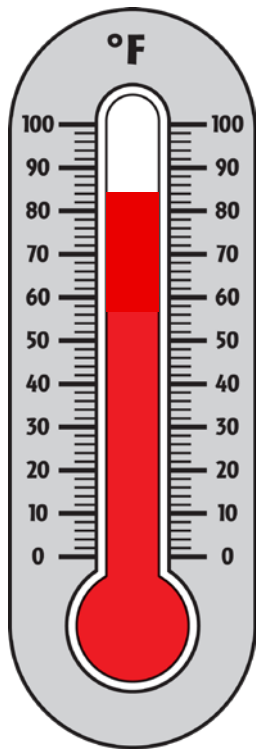
1. Create a graph using the temperature data.
2. Use the graph to answer the questions.



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10°

0°

20°

26°

32°

14°

40°

46°

50°

60°

64°

68°

84°

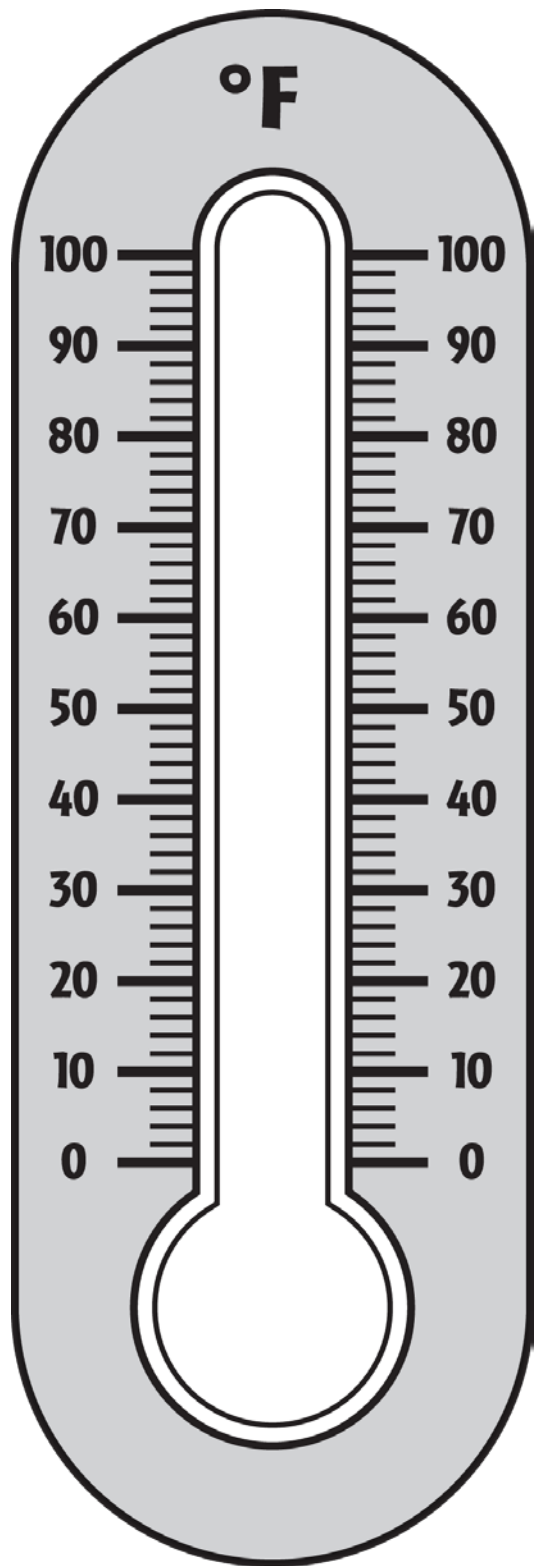
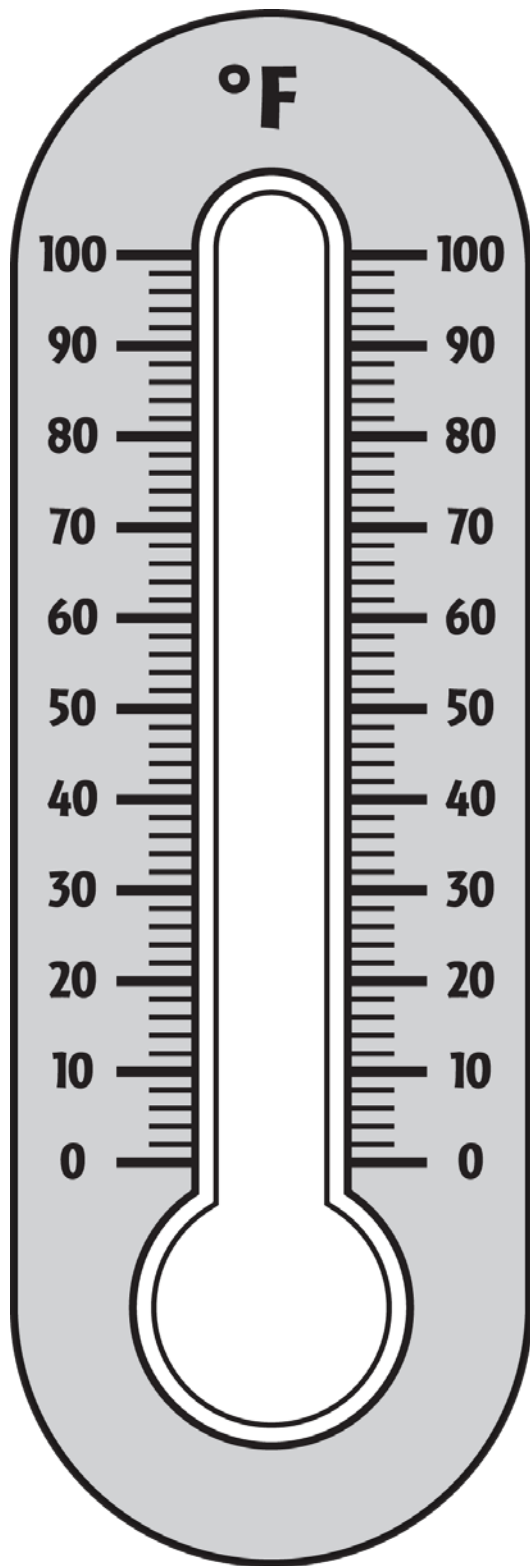
70°

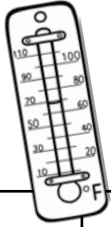
76°

80°

90°

100°





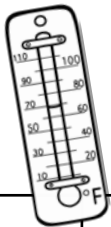
Weather Record



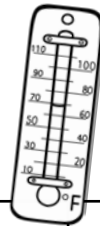
Sunday, March 1	Monday, March 2	Tuesday, March 3	Wednesday, March 4	Thursday, March 5	Friday, March 6	Saturday, March 7
48°	52°	56°	49°	50°	52°	59°

Sunday, March 8	Monday, March 9	Tuesday, March 10	Wednesday, March 11	Thursday, March 12	Friday, March 13	Saturday, March 14
56°	56°	52°	48°	49°	54°	60°

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Weather Record



Sunday, March 1	Monday, March 2	Tuesday, March 3	Wednesday, March 4	Thursday, March 5	Friday, March 6	Saturday, March 7
48°	52°	56°	49°	50°	52°	59°

Sunday, March 8	Monday, March 9	Tuesday, March 10	Wednesday, March 11	Thursday, March 12	Friday, March 13	Saturday, March 14
56°	56°	52°	48°	49°	54°	60°

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A vertical thermometer with a scale from 10 to 110 degrees Fahrenheit. The liquid level is at 70 degrees.

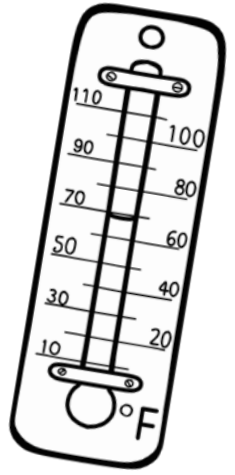
A vertical thermometer with a scale from 10 to 110 degrees Fahrenheit. The liquid level is at 70 degrees.

[illegible]

Name: _____

Weather Graphing

Using the information from your weather graph, answer the questions below in complete sentences.



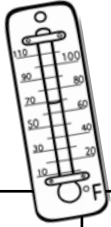
1. What was the temperature on March 5th?

2. What day was the temperature the highest?

3. What day was the temperature the lowest?


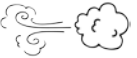




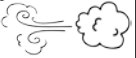
4. What temperature occurred the most often?



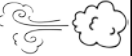




5. What is the difference between the highest temperature and the lowest temperature?



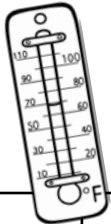
Weather Record



Sunday, March 1	Monday, March 2	Tuesday, March 3	Wednesday, March 4	Thursday, March 5	Friday, March 6	Saturday, March 7
48° 	52° 	56° 	49° 	50° 	52° 	59° 


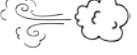





Sunday, March 8	Monday, March 9	Tuesday, March 10	Wednesday, March 11	Thursday, March 12	Friday, March 13	Saturday, March 14
56° 	56° 	52° 	48° 	49° 	54° 	60° 



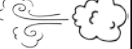




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Weather Record



Sunday, March 15	Monday, March 16	Tuesday, March 17	Wednesday, March 18	Thursday, March 19	Friday, March 6	Saturday, March 7
48° 	52° 	56° 	49° 	50° 	52° 	59° 

Sunday, March 8	Monday, March 9	Tuesday, March 10	Wednesday, March 11	Thursday, March 12	Friday, March 13	Saturday, March 14
56° 	56° 	52° 	48° 	49° 	54° 	60° 

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Name: _____



Weather Graphing

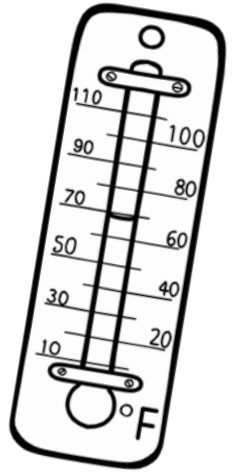
Using the information from the Weather Record card, create a graph that shows the number of times each type of weather was recorded.

8					
7					
6					
5					
4					
3					
2					
1					
	rainy	stormy	windy	sunny	cloudy

Name: _____

Weather Graphing

Using the information from your weather graph, answer the questions below in complete sentences.



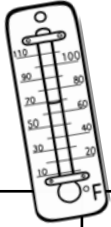
1. How many days was the weather windy?

2. How many days was the weather sunny?

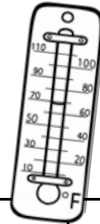
3. How many days was there some kind of rain?

4. How many days were rainy, stormy or windy?

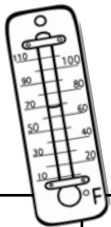
5. How many more days were sunny than cloudy?



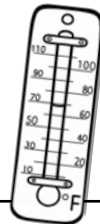
Weather Record



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Weather Record



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