



MORRO BAY
NATIONAL ESTUARY PROGRAM



WEATHER COMPARISON ACTIVITY

Weather is a specific event, like rain or heat, that happens over a few hours, days or weeks. Weather can be different in other countries, states, and cities. Even nearby towns might have different weather patterns! You will use this sheet to compare the weather in your own town to the weather in Morro Bay, California.

**Before you begin, write a few observations about the weather in your town today.
Is it sunny or cloudy? Hot or cold? Windy or still?**

What do you think the weather is like in Morro Bay, California today? It might help to find Morro Bay on a map and consider what you know about towns in similar places.

Now open a weather forecast app or website (such as weather.com) and look up both your town and Morro Bay, CA. Fill out the chart below with the information you find on these sites.

	your town: _____	Morro Bay, CA
temperature (°F)		
cloud cover (sunny or cloudy)		
precipitation		
humidity		
what times are sunrise and sunset?		

Step outside and describe what the weather looks and feels like. You can draw a picture, write a poem, or just write a few sentences. Make sure to use all your senses and make as many observations as possible!

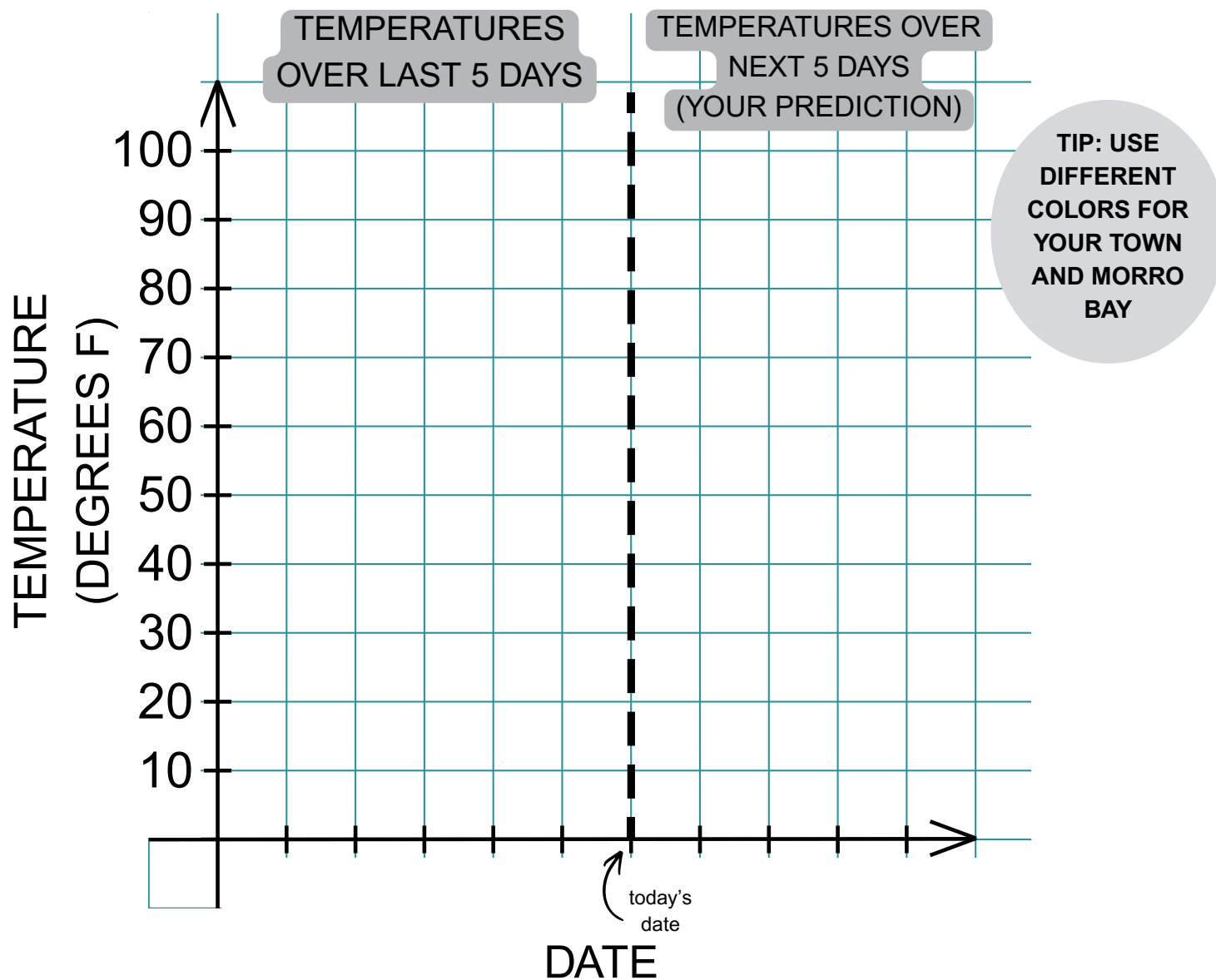
Open the live Morro Bay webcam at 805webcams.com/morro-bay-webcam-estuary-program (or scan the QR code below). Just like above, describe the weather in Morro Bay using pictures or words. Even though you can't feel the weather, you can make inferences (educated guesses) based on visual observations. How might you be able to tell if it's windy? How could you tell if it's cold?



Scientists record weather patterns over time so they can make predictions about what kind of weather might happen next.

Using a weather app or website, fill in the left side of the graph below with daily temperatures for the **last 5 days** for both your town and Morro Bay, CA.

Then, use this data to predict and plot what the temperatures might be over the **next 5 days**, in both your town and Morro Bay, on the right side of the graph.



Now check the 5-day forecast on the weather app or website. Were your predictions correct? If not, why do you think that is? What information, data, or tools would you need in order to make a better prediction?