### Predicting The Weather Data Sheet

Use the daily weather data from your local newspaper to complete the graphs below. You will need to begin recording the weather data five days prior to your program. Use your weather skills to fill in the "prediction column" the day of your program. Record data in the actual column collected during your cruise aboard the R/V Sea Explorer.

<table>
<thead>
<tr>
<th></th>
<th>Day 3</th>
<th>Day 2</th>
<th>Day 1</th>
<th>Prediction</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Water Temperature</strong> (°F)</td>
<td>73</td>
<td>72</td>
<td>71</td>
<td></td>
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<td>68</td>
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<td>57</td>
<td>55</td>
<td>53</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Wave Swell</th>
<th>In feet</th>
<th>Period</th>
<th>Swell Direction</th>
</tr>
</thead>
<tbody>
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<table>
<thead>
<tr>
<th></th>
<th>Wind Speed</th>
<th>In knots</th>
<th>Wind Direction</th>
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### CIRCLE ONE

Which activities work best with the prevailing weather conditions on the day of your program?

- **Surfing**
  - wave swell: minimum 3-4 ft
  - wave period: greater than 7 seconds
  - water temperature: N/A
  - wetsuit? Yes or no
  - wind speed: <10 knots
  - wind direction: prefer NE offshore

- **Sailing**
  - wave swell: N/A
  - wave period: N/A
  - water temperature: N/A
  - wetsuit? Yes or no
  - wind speed: minimum 7-10 knots
  - wind direction: maximum 22-27 knots
  - does not matter

- **Marine Science**
  - wave swell: N/A
  - wave period: N/A
  - water temperature: N/A
  - wetsuit? Yes or no
  - wind speed: maximum 22-27 knots
  - wind direction: does not matter

- **Snorkeling**
  - wave swell: less than 2 feet
  - wave period: N/A
  - water temperature: prefer above 68°F
  - wetsuit? Yes or no
  - wind speed: maximum 6 knots
  - wind direction: prefer NE offshore