Section 1 - [15 points]

Use the map section and legend in section 1 to complete the following. The map shows part of a camping and trail area in Big Bend National Park.

1. [5 points] Answer the following questions about the map in the space provided.

   How many roads are visible in this section of the map? ______
   What is the shortest distance (in miles to the nearest tenth) on the trail between the points marked A on the map? ______
   What is the shortest distance (in miles to the nearest tenth) on the trail between the points marked B on the map? ______
   How many campsites are there in Southeast Rim? ______
   What is the approximate distance on the trail between SW4 and the nearest toilet? ______

2. [2 points] Why is it so difficult to accurately measure distance on a trail map of this scale? __________
   ______________________________________________________________________________________

3. [2 points] Answer the following questions by circling T or F for each statement.

   It is more than 1.5 miles between the campsites CO2 and BL 1. T F
   The Blue Creek trailhead is due west of Juniper Canyon trail. T F

4. [1 point] What is the name for the lighter colored lines all over the map? _________________________
   [1 point] What do these lines show on a map like this? __________________________________________

5. [4 points] For each pair below, circle which point has the HIGHER elevation. You will receive an additional point if all three are correct.

   A or B
   C or D
   B or D
Section 2 - [10 points]
Use the pictures in section 2 to complete the following. These maps and charts show the location and population of world megacities in 1980 and 2010.

1. [2 points] Define the term megacity. _____________________________________________________

2. [1 point] What is the minimum population to be considered a megacity? ______________

3. [1 point] Which continent had the most megacities in 1980? ______________
   [1 point] Which continent had the most megacities in 2010? ______________

4. [2 points] Consider the cities listed in 1980. By 2010, which one had -
   its population increase by the highest percentage? ______________
   its population increase by the largest number of people? ______________

5. [3 points] Give three reasons why people might move from rural areas to megacities in countries like China, India and Pakistan.
   reason 1 _______________________________________
   reason 2 __________________________________________________________________________
   reason 3 __________________________________________________________________________

Section 3 - [10 points]
Use the map in section 3 to complete the following.

1. [6 points] Answer the following questions by circling T or F for each statement.

<table>
<thead>
<tr>
<th>Statement</th>
<th>T</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>The United States consumes more oil than any other country.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>The Asia Pacific region consumes a majority of the world’s oil.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>Africa consumes more oil per capita than the Middle East.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>South America consumes the least oil.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>Australia has no measurable oil consumption.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>This map shows the US as a net exporter of oil.</td>
<td>T</td>
<td>F</td>
</tr>
</tbody>
</table>

2. [4 points] Explain the relationship between oil consumption and economic prosperity and development.
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
Section 4 - [15 points]

Use the map in section 4 to complete the following.

1. [1 point] Identify the desert marked B on the map. ____________________

   [1 point] Of A and B, which desert area receives more average rainfall? _____

2. [2 points] Describe the temperature and rainfall of a hot desert climate.

   temperature _______________________________________________________
   rainfall __________________________________________________________

3. [2 points] Mesas can form in hot deserts. Define the term mesa. _______________________________

   _______________________________________________________________________

   [2 points] Describe the process by which a mesa forms in a hot desert area. ___________________

   _______________________________________________________________________

   [1 point] What landform results from weathering and erosion of a mesa causing the top of the mesa to become narrower than the height? ________________________

4. [6 points] Answer the following questions by circling T or F for each statement.

<table>
<thead>
<tr>
<th>Statement</th>
<th>T</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>There are no hot deserts in the United States.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>The Atacama Desert is in South America.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>The desert marked A on the map is the Kalahari.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>Most of the hot deserts in the world are in the southern hemisphere.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>The hot deserts of the world are located within 5 degrees of the equator.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>The Gobi Desert is a hot desert.</td>
<td>T</td>
<td>F</td>
</tr>
</tbody>
</table>