<table>
<thead>
<tr>
<th>WORD</th>
<th>DEFINITION</th>
<th>PICTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravity</td>
<td>The energy of position; energy that is stored and held in readiness</td>
<td></td>
</tr>
<tr>
<td>Energy</td>
<td>The ability to do work</td>
<td>Energy possessed by an object due to its motion or its stored energy of position</td>
</tr>
<tr>
<td>Force</td>
<td>A force that pulls objects toward the center of the Earth</td>
<td>An influence (push or pull) on a body or system, causing a change in movement or shape</td>
</tr>
<tr>
<td>WORD</td>
<td>DEFINITION</td>
<td>PICTURE</td>
</tr>
<tr>
<td>-----------------</td>
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</tr>
<tr>
<td>Mechanical energy</td>
<td></td>
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<tr>
<td>Kinetic energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potential energy</td>
<td></td>
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</tbody>
</table>
Venn Diagram

Include at least 3 things in each space of the Venn diagram to demonstrate your understanding of roller coasters and energy.

Pre-Visit Journal

_________________________________________________________________

_________________________________________________________________

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_________________________________________________________________

_________________________________________________________________
My Questions

Questions I want to ask about gravity, force or roller coasters:

1. ____________________________________________
   ____________________________________________
   ____________________________________________
   Answer: ______________________________________
   ____________________________________________
   Source: ______________________________________

2. ____________________________________________
   ____________________________________________
   ____________________________________________
   Answer: ______________________________________
   ____________________________________________
   Source: ______________________________________

3. ____________________________________________
   ____________________________________________
   ____________________________________________
   Answer: ______________________________________
   ____________________________________________
   Source: ______________________________________

Lab Questions

1. List some of the parts needed to create a roller coaster.
   A. __________________________________________
   B. __________________________________________
   C. __________________________________________

2. Draw a picture of your first roller coaster.

3. Draw a picture of your second roller coaster.

4. Label places of high potential energy (PE) and high kinetic energy (KE) on your roller coaster drawings for questions number 2 and 3.