### Activity 6: Energy Challenge Game

**Forms of Energy**

<table>
<thead>
<tr>
<th>100</th>
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</thead>
<tbody>
<tr>
<td>Moving Objects — Like a Car</td>
<td>This process uses sunlight to produce sugars and release oxygen</td>
<td>Stored energy</td>
<td>The greatest source of energy for the Earth</td>
</tr>
</tbody>
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<tbody>
<tr>
<td>This form of energy is stored in wood, fossil fuels, and food</td>
<td>This is widely used today for cooking and heating—especially in developing countries</td>
<td>Everything that is moving</td>
<td>Wind, water, solar, and biomass are examples of this type of energy</td>
</tr>
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<tr>
<td>The splitting is called fission, the coming together of atoms is called fusion</td>
<td>This object uses nuclear fusion to reach temperatures of 15 million degrees centigrade</td>
<td>Snow on the top of a mountain</td>
<td>One can refine 20 gallons of gasoline from one barrel of this</td>
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<tr>
<td>When moving electrons are forced along a path of copper wire</td>
<td>Heat generated by natural processes beneath the Earth’s surface</td>
<td>A wood pile</td>
<td>Turning down the thermostat, adding insulation, riding a bike and turning off unnecessary lights</td>
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<td>Visible wavelengths and invisible wavelengths like X-rays</td>
<td>Uneven heating of the Earth provides this source of energy</td>
<td>Legs pumping the pedals of a bike</td>
<td>This kind of car has two engines—one is an efficient internal combustion engine, the other is an electric engine</td>
</tr>
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