Gears Quiz

1. What are gears used for (there are four things you should mention)?

   [Blank line]

   [Blank line]

   [Blank line]

2. Fill in the table below by naming the type of gear shown.

<table>
<thead>
<tr>
<th>Picture</th>
<th>Type of Gear</th>
<th>Picture</th>
<th>Type of Gear</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Gear 1]</td>
<td></td>
<td>![Gear 2]</td>
<td></td>
</tr>
<tr>
<td>![Gear 3]</td>
<td></td>
<td>![Gear 4]</td>
<td></td>
</tr>
</tbody>
</table>

3. What do you call it when three or more gears are combined?

   [Blank line]

4. Name three examples of things that use gears.

   [Blank line]

   [Blank line]

   [Blank line]
5. Please label the diagram, including direction of rotation.

6. If you turn a gear with 6 teeth 3 times and it is meshed with a second gear having 18 teeth, what will happen?

7. Below you will find a picture that I found on the internet. There is something scientifically wrong with it. Please explain what is wrong, relating to gears, about this picture.