Alcohols

Before you answer the puzzles below fill in the table of alcohols:

<table>
<thead>
<tr>
<th>Name</th>
<th>Number of carbons</th>
<th>Formula</th>
<th>Displayed formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>methanol</td>
<td>1</td>
<td>CH₃OH</td>
<td></td>
</tr>
<tr>
<td>ethanol</td>
<td>2</td>
<td>C₂H₅OH</td>
<td>H_____O</td>
</tr>
<tr>
<td>propanol</td>
<td>3</td>
<td>C₃H₇OH</td>
<td></td>
</tr>
<tr>
<td>butanol</td>
<td>4</td>
<td>C₄H₉OH</td>
<td></td>
</tr>
</tbody>
</table>

Gridlock 1

Each row, column and 2 x 2 box contains information about the four alcohols listed above. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

<table>
<thead>
<tr>
<th>number of carbons</th>
<th>name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>methanol</td>
</tr>
<tr>
<td>propanol</td>
<td>4</td>
</tr>
</tbody>
</table>
Gridlock 2
Each row, column and 2 x 2 box contains information about the four alcohols.

<table>
<thead>
<tr>
<th>name</th>
<th>formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>C₄H₉OH</td>
</tr>
<tr>
<td>C₃H₇OH</td>
<td></td>
</tr>
</tbody>
</table>

Gridlock 3
Each row, column and 2 x 2 box contains information about the four alcohols.

<table>
<thead>
<tr>
<th>name</th>
<th>displayed formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>methanol</td>
<td>![methanol structure]</td>
</tr>
<tr>
<td>propanol</td>
<td>![propanol structure]</td>
</tr>
</tbody>
</table>
Alcohols – answers

<table>
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<tr>
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</thead>
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<tr>
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<td><img src="image" alt="Display" /></td>
</tr>
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<tr>
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<td>butanol</td>
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</tr>
<tr>
<td>butanol</td>
<td>1</td>
</tr>
<tr>
<td>ethanol</td>
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</table>
Gridlock 2 – answers

Each row, column and 2 x 2 box contains information about the four alcohols.

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<tr>
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<th>formula</th>
<th>displayed formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>C₃H₇OH</td>
<td></td>
</tr>
<tr>
<td>butanol</td>
<td>CH₃OH</td>
<td></td>
</tr>
<tr>
<td>propanol</td>
<td>C₄H₉OH</td>
<td></td>
</tr>
<tr>
<td>methanol</td>
<td>C₂H₅OH</td>
<td></td>
</tr>
</tbody>
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