**National 5 Unit 2: Nature’s Chemistry**

**Summary Quiz 2: Everyday Consumer Products**

**Alcohols (alkanols)**

Complete:

|  |  |
| --- | --- |
| Name of Homologous series - | General formula - |
| Name | Molecular formula | Structural formula |
| methanol |  |  |
|  |  | http://142.23.40.13/courses/chemistry/11/3pentanol.gif |
| butan-1-ol |  |  |
|  |  | http://t2.gstatic.com/images?q=tbn:ANd9GcT92fKI6rRntUWLEGyEIOsiduI8VZarB3Q6rWWJA8kk0zDiO3EUzP2XUw-88g |

What is the name and structure of the functional group found in the alkanols (alcohols)?

Apart from use as in drinks and as a solvent, what is a common use of alcohols?

What properties allow them to be used as such?

**Carboxylic acids**

|  |  |
| --- | --- |
| Name of Homologous series - | General formula - |
| Name | Molecular formula | Structural formula |
| ethanoic acid |  |  |
|  |  | http://www.ivy-rose.co.uk/Chemistry/Organic/molecules/carboxylic-acids/pentanoic-acid.gif |
| propanoic acid |  |  |
|  |  | http://www.ivy-rose.co.uk/Chemistry/Organic/molecules/carboxylic-acids/hexanoic-acid_structure.gif |

What is the name and structure of the functional group found in the carboxylic acids?

Ethanoic acid is more commonly known as what?

Aside from as a food product, what is vinegar used for?

**Esters**

Esters are made by reacting which two types of compound?

Give 2 uses for esters