**Condensation/ hydrolysis Reactions**

In a condensation reaction two molecules add together to make a larger molecule and a small molecule is eliminated

Go to the following animation of an esterification reaction

<http://www.absorblearning.com/media/attachment.action?quick=11v&att=2715>

Complete the following

Acid name:

Alcohol name:

Ester name

Fats are examples of esters , complete the reaction for fats

Acid name:

Alcohol name:

FAT

The reverse of a condensation reaction is a hydrolysis reaction. In hydrolysis a large molecule is split into two small molecules by the addition of a small molecule like water is eliminated

Go to the following animation showing the hydrolysis of fat

<http://www.absorblearning.com/media/attachment.action?quick=124&att=2733>

What is used to hydrolyse fats and what is the fat split in to?

Some polymers can be made by condensation reactions and broken down by hydrolysis reactions

Go to the following animation and explain why it is showing a condensation reaction

<http://www.absorblearning.com/media/attachment.action?quick=121&att=2727>