

BIOLOGY
Topic Questions**LW6 - LIPID DIGESTION**

Q1) a) Explain how lipase enzymes break down triglyceride molecules. **[2 marks]**

b) Explain, in terms of enzyme action, why food needs to be broken into smaller pieces to digest in the body. **[3 marks]**

Q2) a) Describe the use of chylomicrons in the body. **[1 mark]**

b) Explain the process of chylomicron formation from monoglycerides and fatty acids in epithelial cells. **[4 marks]**

Q3) Determine if each of the following statements are true or false. **[3 marks]**

	True	False
A Chylomicrons are transported directly into the blood from epithelial cells	<input type="checkbox"/>	<input type="checkbox"/>
B Monoglycerides and fatty acids are actively transported into epithelial cells via carrier proteins	<input type="checkbox"/>	<input type="checkbox"/>
C Physical breakdown of lipids takes place in the stomach	<input type="checkbox"/>	<input type="checkbox"/>

Q4) a) Explain the action of bile salts in breaking down lipids. **[2 marks]**

b) Explain the likely effect on digestion of lipids if bile salt production ceased. **[4 marks]**

[Total 19 marks]