

Question 13 (8 marks)

Many products are designed to have a limited 'lifespan' – that is, they are designed to be replaced rather than repaired.

- (a) Give reasons why designers develop new products with a limited 'lifespan'. 2

Designers develop new products with a limited 'lifespan' as better technology is advancing within society giving better design ideas and better products being made to keep up with the times in society as it is always changing. People don't want repaired products they want their old products to be replaced with better ones.

- (b) Explain the effects on society and the environment of designing products with a limited lifespan. 6

Designing products with a limited lifespan has effects on both society and the environment. It has a good effect on society as the people want bigger and better products and don't want their old products just to be repaired.

As technology advances new designs and products will become available to society that will suit their needs and wants. However it may have a bad effect on the environment as new products are being replaced which can cause harm on the environment as more materials are being exposed.

As to a new product being repaired it uses the same materials as the old one to be repaired and isn't introducing new materials for a product to be replaced that could harm the environment,