

## 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

So that the designer can redevelop the "replacement" product and continue to make money. This also provides the designer of the product to use cheaper materials for design.

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

The effects on society, is that products continue to break down, causing them to continually re-purchase products ultimately by spending more money.

The effect which takes place on the environment is from the massive amount of waste this ~~causes~~ causes, which in turn damages the environment through landfill and other disposal methods.

Another social effect is that ~~parts~~ brands of products which have shorter life spans will lose customers to companies ~~more~~ known for making good quality and longer "lifespan".