

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 these ~~to~~ products with 'poor health' so that they are able to get ~~the~~ a lot of money without putting too much effort into the product.

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

The effects on society and the environment when designing and producing a cradle-to-grave product costs money for the consumer and time for the environment, of which both do not have an unlimited amount of the resources. Money is wasted on ~~a~~ ~~the~~ product that ~~it~~ will soon become obsolete and the ~~span~~ life span of the earth is shortened by throwing away products that do not decompose.

The only positive outcome of the cradle-to-grave ~~app~~ approach is that the designer makes a lot ~~of~~ of money.