

## 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 because it is much more cost worthy to replace than it is to repair and the product can be ~~and~~ cultured to work better and be re-made completely.

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

The effects on society and the environment of designing a product with a limited lifespan is that the product can be remade and replace with a ~~better one~~ newer model but the older models of the product will be disposed of in landfills or ~~be~~ incinerated. Another effect on the environment is the material to create the product ~~if it~~ <sup>the old model</sup> will be replace, <sup>more of</sup> the material of the new one ~~will be used to~~ <sup>to create a</sup> ~~other~~ <sup>other</sup> product. A factor that product limited life span that will effect is society, peoples money will be used buying the old one and then a newer model will come out and they have to buy the newer version.