YEAR 9 THEORY –1 Impact of new & emerging technologies Name: --------------

**Re test**

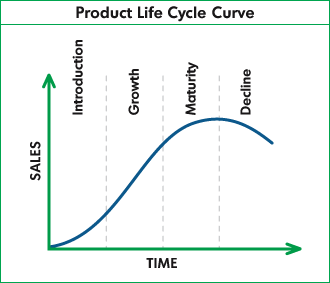
1) Market pull is when products are developed in response to market sales/strengths.

Give 2 examples of what influences market pull. (4 marks)

A demand from customers, market research, competing manufactures (any 2 of these 2 marks)

4 marks to explain- i.e. When sales rise- this creates a demand for the product from consumers- 2 marks as explained point)

2) The Product Life Cycle below shows the sales of laptops at each stage throughout its life cycle.



**Introduction/launch**-sales slow and slowly rise- 1 mark.

2 marks for a more dev answer i.e.

Product newly released onto market, first sales slow, consumers start to realise benefits- costs company to launch-little profit.

2. What does planned obsolescence mean? (1 mark)

Some companied plan short lives for products

1. Give an advantage and disadvantage for planned obsolescence (2 marks)

AD-Customers pressure to update and buy new product, consumer gets latest technology, products could be more environmentally friendly due to new materials, use of less energy etc.

DIS- customer may look for a more durable product, a negative environmental impact due to waste of using more materials for new products.

1. What does the term “Global production” mean? (2 mark)

This term is used to describe how one product can be produced all over the world.

1. What does the symbol below mean when on a product? (1 mark)



This shows a product has met European standards.

1. The “Consumer Rights Act” gives consumers a number of rights to protect them when buying products.

If a product is unsatisfactory, how many days do you have to receive a full refund? (1 mark)

30 days.

1. What does the term “sustainable design” mean? (2 marks)

**Sustainability**-Products are produced in ways that do not use resources that cannot be replaced and that do not damage the environment.

1. What does the term “CAD” and “CAM” stand for? (4)

|  |  |
| --- | --- |
| CAD | **C**omputer  **A**ided **D**esign |
| CAM | **C**omputer **A**ided **M**anufacture |

1. CNC is a term used in manufacture. Complete the blank below (1 mark)

Computer Numerically Controlled

9) Many different types of CAM machinery is used in the manufacture of products, including a “Vinyl cutter”

Describe what a “Vinyl cutter” does. (1 mark)

Like a computer printer but with a blade which is used to cut out shapes and letters from a sheet of vinyl.

What products is it commonly used for? (1 mark)

Shop windows, graphics on buses, graphics on t-shirts, signage, banners (one for 1 mark)

Total marks= your mark /22 Percentage= Grade=