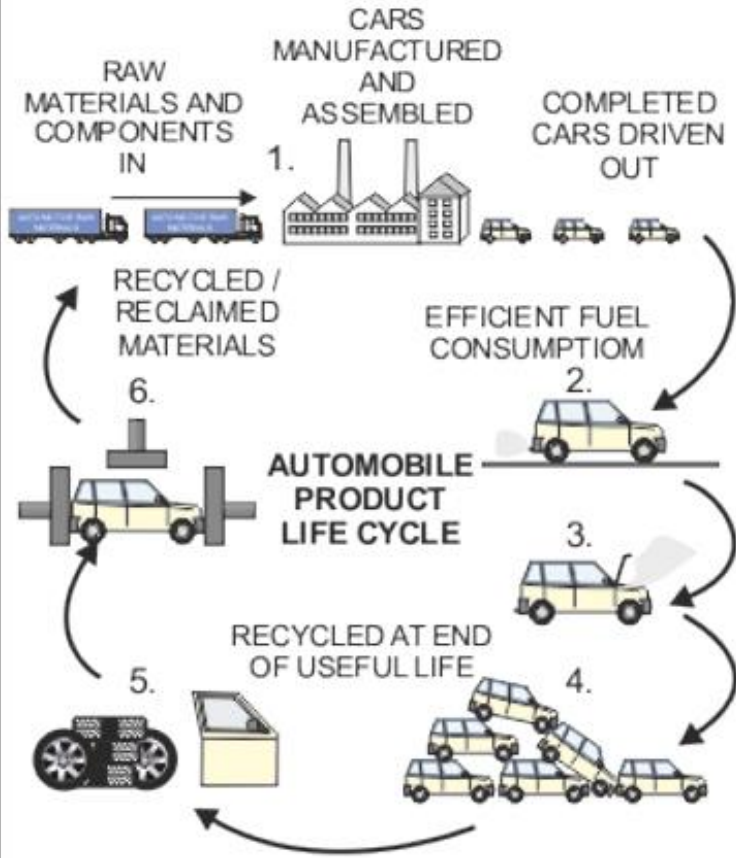


# Design and Technology Knowledge organiser – Product lifecycle

## FAMILY CAR PRODUCT LIFE CYCLE

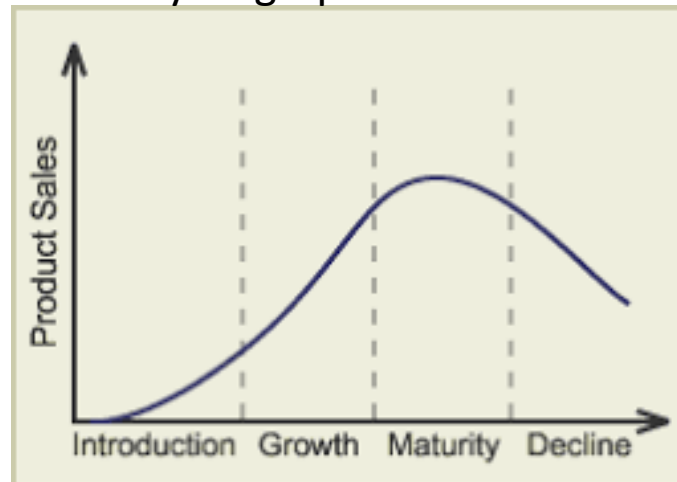


Example of Planned Obsolescence:



Pentalobe screws used in an iPhone 6S. Critics have argued that Apple's use of pentalobe screws in their newer devices is an attempt to prevent the consumer from repairing the device themselves.

Product Life cycle graphed:



**What is product lifecycle?**

When designing and manufacturing a product, it is important to consider its life cycle.



**Products should...**

- Be manufactured from sustainable/ recycled materials.
- Create as little pollution as possible (during manufacture and use).
- Use little energy/ fuel as possible.

Life cycle is the time from products manufacture, to its recycling or disposal, at the end of its useful like. Customers often expect products to be designed and manufactured, so they do as little damage to the environment as possible.