

- a) ^{Ans=} ~~Here~~ Here are the 3 major manufacturing processes
- Injection moulding
 - Casting
 - drop forging

Injection moulding is used to produce the interior plastics for example: the dashboard and the door interior. Very complex 3D shapes can be produced. However, there is a high cost in producing these high ~~and~~ initial moulds. This is a suitable process where high volume of parts is required it has the added advantage of little finishing for the parts. primarily ABS is used during production this is a thermosetting plastic which currently is difficult to recycle. Thermoplastics are being developed for the use in bumpers and windmirrors. These can be recycled.

Die-casting is suitable for light weight metals (particularly zinc). Zinc is heat until it is molten then pressure forced into a mould in a shape of the part required. This is common in the automotive industry because it provide strength and flexibility and is economical in production. There is a high cost in producing the mould, however, the parts require little finishing and the process is efficient. It is used for chassis parts, transmission components and then the brake system.