

### Section-3

Q-1  
Ans

The key difference between shearing and forming is what the process seeks to ~~do~~ accomplish. Shearing is used to cut a piece of material into two pieces.

Where as forming is used to change the shape of a piece of material generally without removing any material.

Shearing is basically a process which cuts stock or any material without formation of chips or the use of of turning or melting. And forming is said to be in which the metals are given the required shape through mechanical deformation the physical shape of a material is ~~per~~ permanently deformed.

Joining in manufacturing is a very important process used right opposite to

Shearing in which materials are broken down but joining is basically including the welding, brazing, or soldering of materials. The produce permanent joint between the parts to be assembled. They cannot be separated easily by applications of forces. They are mainly used to assemble many parts to make a system. In some cases both heat and pressure are applied and in other cases only pressure is applied without any external heat.