**Ans To The Question no 1**

**A.1.)**

**Column 01:**Polymer chemists have designed and synthesized polymers that vary in hardness, flexibility, softening temperature, [solubility](https://www.britannica.com/science/solubility-chemistry) in water, and [biodegradability](https://www.britannica.com/technology/biodegradability). They have produced polymeric materials that are as strong as steel yet lighter and more resistant to corrosion. Oil, [natural gas](https://www.britannica.com/science/natural-gas), and water pipelines are now routinely constructed of plastic pipe. In recent years, automakers have increased their use of plastic components to build lighter vehicles that consume good dut. **Column 02 :**in the manufacture of textiles, [rubber](https://www.britannica.com/science/rubber-chemical-compound), paper, and packaging materials are built upon polyme paper, and packaging materials are built upon polymer chemistry.

Besides producing new kinds of polymeric materials, researchers are concerned with developing special [catalysts](https://www.merriam-webster.com/dictionary/catalysts) that are required by the large-scale industrial synthesis of commercial polymers. Without such catalysts, the polymerization process wood.

**A.2.)**

**B)**