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Introduction. Fluid inclusions are small samples of pore fluid crystallographically trapped in rocks during diagenesis or fracture healing processes. Bioengineering . Orthopedics. Tissue modeling. Even the future of robotic microsurgery. Purdue's focus on Bioengineering brings many disciplines together at world-class facilities. A foreland basin is a structural basin that develops adjacent and parallel to a mountain belt. Foreland basins form because the immense mass created by crustal thickening associated with the evolution of a mountain belt causes the lithosphere to bend, by a process known as lithospheric flexure. Powder metallurgy (PM) is a term covering a wide range of ways in which materials or components are made from metal powders. PM processes can avoid, or greatly reduce, the need to use metal removal processes, thereby drastically reducing yield losses in manufacture and often resulting in lower costs.