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## **Difference Between Casting and Forging**

1. Casting involves heating the material until it melts and later pouring into a vessel for providing certain shapes. Forging involves the use of mechanical and thermal energy to heat and hammer the metal to provide the desired shape.
2. Casting may not create metals which are tough and able to withstand significant pressure. Forging can create metals that are tougher and stronger as the process itself involves pressing or hammering which provides the ability to the metal to withstand pressure from the initial start.
3. Casting enables the alteration of the shape of metal easily. Under Forging, shaping a metal may be difficult as the metal is in solid-state.
4. Casting can be performed for large material. Forging may not be an apt choice for larger size materials as it will become difficult or apply force to such huge sized materials.
5. Casting is less expensive than Forging.



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6. Casting may enable the production of materials that are complex or thick. In Forging, it is difficult to manufacture materials having a complex structure.

Source and more details: <https://askanydifference.com/difference-between-casting-and-forging/>