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Waterfalls are one of the most spectacular landforms found in the upper valley and are

A waterfall occurs where a band of hard rock (such as granite) overlies a softer rock (such as sandstone). Erosion processes such as hydraulic action (the force of the water) and abrasion (where the river rubs stones that are being transported against the bed of a

The softer rock is eroded quicker than the harder rock and gradually washes away downstream. This creates a **plunge pool** where water is swilled around and any rocks or debris swept will be swirled around and rub against the bed and banks of the plunge

Over time, the softer rock is eroded further creating an overhang of hard rock. This

Eventually, this hard rock collapses and the waterfall moves back upstream. This creates gorges, which are steep sided rivver valleys. This process will repeat continually, with the

## **Ridges of hard rock creates** an uneven slope. This creates rapids



