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River Processes

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| **Across**  **7.** The action of water wearing away rocks and soils on the valley bottom sides  **10.** Some minerals dissolve in the water  **16.** This type of erosion makes rivers wider  **18.** A type of mass movement where masses of soil or rock, flow like liquid downhill  **22.** Erosion that takes place on the river bed  **23.** A type of erosion where the water is slightly acidic so it can dissolve some rocks and minerals in contact with the river  **24.** As watefalls form these form with it  **26.** A river picks up and carries material as it flows downstream  **29.** An area of land drained by a river and its tributaries  **30.** The breakdown and decay of rock by natural processes  **31.** Where does the lower course of the River Dee cross into?  **32.** A type of erosion where material carried in the river rubbing against the bed and banks of the channel | **Down**  **1.** A process of weathering that happens when rainwater enters cracks and then freezes exerting pressure on the rock causing it to break into smaller pieces  **2.** A process of weathering when all rain is slightly acidic. The acid reacts with weak minerals causing them to dislove and the rock to decay  **3.** A type of erosion sheer force of water hitting the river bed and banks wearing them away  **4.** A type of erosion where sediment particles carried into the river collide with each other causing the edges to be knocked off  **5.** A process of weathering where the roots of pplants can grow into cracks and split the rock apart  **6.** Where is the source of River Dee?  **8.** A type of mass movement where soil moves rapidly downslope in one go for example a landslide  **9.** When rivers are small they tend to flow around these  **11.** Where is the River Dee located?  **12.** The movement of rocks and soil downslope due to gravity.  **13.** A type of mass movment where individual particles of soil move slowly down a slope  **14.** Silt and clay sized particles are carried within the water flow  **15.** When a river no longer has enough energy to carry its load  **17.** This is where the river came from in the upper course of a river  **19.** How high above sea level is the source of River Dee found, in metres?  **20.** This appears at the end of the lower course of a river  **21.** This is a result of erosion when more resistant rock overlaps less resistant rock  **25.** Rolling stones along the river bed  **27.** This happens in the middle course of a river and is a bend in a river  **28.** Sand sized particles bounce along the bed in a leap frog movement |