YEAR 8 GEOGRAPHY – CYCLE 2 AND 3 – GLACIATION

landscapean area of land with distinct features e.g. glaciated landscapeglaciers \rightarrow ice agedistribution \rightarrow 20,000 years ago \rightarrow glaciers covered most oflandforma natural feature e.g. a corrigglaciers \rightarrow todaydistribution \rightarrow bigh latitudes e.g. noles and	f the UK
landform a natural feature e.g. a corrige g a corrige g noise	
Biddiers 7 today distribution 7 mgh autodaes and mgh autodaes c.g. poies an	d mountains
altitude the height above sea level glaciated landscapes no longer covered by glaciers anymore \rightarrow but these area	s were once
relief height difference between highest and lowest point on a landscape carved/shaped by glaciers during the last ice age \rightarrow e.g. La	e District
upland areas of land at higher elevation e.g. mountains BOX 6: PROCESSES	
lowland areas of land at a lower elevation e.g. the mouth of a river erosion -abrasion → rocks scrape like sand paper → makes other r	ocks smooth
Indest river UK UK → River Severn → Wales and England → 354 km long $-$ plucking → glacier freezes around rocks → pulls them out	of ground
highest mountain UK UK \rightarrow Ben Nevis \rightarrow Scotland \rightarrow 1345 m weathering veathering -freeze-thaw weathering \rightarrow ice expands in rock cracks, bre	aks up
BOX 2: GEOLOGICAL TIMESCALE transportation -buildozing → glacier pushes moraine (rocks) as glacier moraine	ves
age of Earth4600 million years olddeposition-moraine → glacier melts → leaves piles of rocks that were	eroded
bacteria begin to produce oxygen → 3600 million years ago -erratics → large boulders → dropped by melting ice → look	out of place
dinosaurs appear first dinosaurs appear → 240 million years ago BOX 7: HOW DOES A CORRIE FORM?	_
mammals appear first mammals appear -> 200 million years ago glacial landform a corrie -> large armchair shaped hollow on mountain side	→
humans appear first humans appear \rightarrow Homo sapiens \rightarrow 300,000 years ago \rightarrow a corrie 1. snow collects in a sheltered hollow on the side of a model of a	ountain
Carboniferous period of time → 359.2 to 299 million years ago	acier nlucking)
Jurassic period of time → 199.6 to 145.5 million years ago 4. base (bottom) of the corrie → gets deeper (by abrasio	1)
Quaternary period of time → 2.6 million years ago to the present day 5. glacier → slides downhill → circular movement → 'rot	tional slip'
6. less erosion at front of glacier → corrie lip formed	
$\frac{1}{2} = \frac{1}{2} = \frac{1}$	ake forms
inclusion of the scoled magma or a baselt in the scoled magma or a baselt is a share the scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a baselt is a share may be scoled magma or a scoled	o edge
igneous rocks formed from cooled magna e.g. basart pyramidal peak three corries erode around mountain - creates sharp mou	itain peak
sedimentary rocks in on compressed rossis and rocks at bottom of ocean e.g. ilmestone BOX 8: ECONOMIC USES OF GLACIATED LANDSCAPES -> OPPORTUNITIES (9)	
metamorphic rocks rocks changed into harder rocks by heat and pressure e.g. marble	lopes
weathering weakening of rocks tourism Lake District→ 18 million visitors a year → spend money v	hile on
erosion wearing away and breaking up of rocks and soil	n creates
transportation moving material from one place to another	
deposition when material is dropped or left behind (e.g. pieces of rock) BOX 9: LAND USE CONFLICTS IN GLACIATED LANDSCAPES → CHALLENGES ®	
BOX 4: GLACIATION KEYWORDS	retation
glacier a slow moving mass of ice (made from compressed snow) • lots of employment only 'seasonal' e.g. not paid all yes	r round
ice sheet a large glacier covering large areas of land e.g. the size of a country • wealthy people from elsewhere buy 'holiday homes' •	increases
glaciologist scientist → e.g. studies effects of climate change on melting glaciers house prices → locals struggle to afford to buy a home	2
glacial period of time -> cooler -> last ice age ended 11,700 years ago erosion of footpaths, traffic congestion and noise poll	ution
interglacial period of time -> warmer -> we are currently in a interglacial period BOX 10: SUSTAINABLE MANAGEMENT + CONSERVATION OF GLACIATED LAND	SCAPES 🕲
accumulation more freezing than melting -> glacier grows sustainable • 'Drive Less See More' -> campaign to reduce traffic co	ngestion
ablation more melting than freezing → glacier shrinks (Fix the Fells' → project to reduce footpath erosion (Conservation (Conse	torsports)
crevasses huge cracks in a glacier (can be 40 meters deep) • 10 mpn speed limit on Lake windermere (slows wildlife	itersports) →

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