

Coastal landform and landscape development 3.1.3.3

Q1	Which 1 of these terms associated with coastal landforms is the 'Odd one out' and why?	
A	Stack	
B	Blow hole	
C	Wave cut platform	
D	Hydraulic action	
E	Wave cut notch	

Q2	Which of these coastal features is a result of Erosion, and which Deposition		
		Erosion	Deposition
A	Stump		
B	Offshore bar		
C	Arch		
D	Spit		
E	Barrier island		
F	Marine platform		

Q3	Tick which of the alternative formation sequences is most likely	
A	Arch – Stump – Stack	
	Stack – Stump – Arch	
	Arch – Stack – Stump	
B	Marine platform – Cliff retreat – Undercutting	
	Undercutting – Cliff retreat – Marine platform	
	Cliff retreat – Undercutting – Marine platform	
C	Offshore island – Spit extension – Tombolo	
	Spit extension – Offshore island – Tombolo	
	Spit extension – Tombolo – Offshore island	
D	Longshore drift – Spit extension – Compound recurvature	
	Spit extension – Longshore drift – Compound recurvature	
	Longshore drift – Compound recurvature – Spit extension	
E	Spit extension – Lagoon infilling – Bar	
	Bar – Spit extension – Lagoon infilling	
	Spit extension – Bar – Lagoon infilling	

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Q4	<i>Comparing two distinctive coastal landscapes, how might each of the variables affect the development of the named features</i>
The development of stacks	Heavily fissured sedimentary cliffs:
	Igneous granite cliffs:
The formation of spits	Consistent longshore drift along a discordant coastline of rock of variable resistance:
	Consistent longshore drift along a concordant coastline of glacial till:
The development of barrier islands	At the mouth of major drainage system with isostatic recovery matching rising sea level:
	At the mouth of a minor drainage system with no isostatic recovery and rising sea level:
Developing cliff profile	Where the cliffs are 50m high, composed of sandstone, dipping towards the sea:
	Where the cliffs are 100m high, composed of sandstone, at right angles to the sea:

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Q5	<i>Explain all the ways the last advance and subsequent retreat of ice may still be influencing key features along a contemporary coastal landscape</i>