Coastal management strategies 3.1.3.4

Q1	Match the ter	ms with their coasta	l engineering definition	
Α	Wire baskets filled with rocks that	at are stacked along a	a cliff foot.	
В	Excavators moving sand from one place to another in the same section of beach			
С	Boulders of granite extending at right angles to the beach in a line and intended to capture sand and interrupt the power of waves			
D	Lorries removing sand from the ealong to an upcoast section of be		ransferring it back	
E	Large concrete moulded shapes that are formed at the site requiring protection and stacked in an interconnecting matrix			
	Beach reprofiling Tetrapod	s Groynes	Beach recycling	Gabions

Q2	Tick if these are examples of Hard or Soft engineering techniques	Hard eng.	Soft eng.
Α	Offshore reefs		
В	Timber groynes		
С	Living shorelines		
D	Rip rap		
E	Granite boulder groynes		
F	Gabions		
G	Beach nourishment		

Q3	Which of these statements accurately describes the way in which coasts	al managen	nent
	techniques function? Explain why some are false.		
		True	False
Α	Soft engineering is called this because it involves sand redistribution –		
	rather than hard, solid rock.		
В	Revetments work by absorbing some wave energy and enabling beach		
	build-up through swash but restricting loss by backwash.		
С	Offshore reefs work by re-directing waves into the gaps between the		
	reefs so they carry more sand to the beach in those places.		
D	Groynes are most effective where longshore (littoral) drift occurs along		
	a coastline by leading to a wider and steeper gradient beach.		
E	Beach nourishment is a natural redistribution of sediment store that		
	takes place mainly at the end of stretch of coastal longshore drift.		

© Tutor2u Limited 2016 www.tutor2u.net

Coastal management strategies 3.1.3.4

Q4	Explain how groynes reduce coastal e	rosion where they are located, but increase it
	further down the coast, using the following systems concepts	
Inputs		Store
Outputs	i	Sediment cell
		I
Q5	Idontify the factors that are (more) and	
Q5	identijy the jactors that are more and	l 'less' likely to make an ICZM an effective
	form of coastal management. Two hav	
	form of coastal management. Two hav	
Less eff	form of coastal management. Two hav	e been inserted already.
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	e been inserted already.
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: Dole and ineffective monitoring equipme	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions
Less eff Unrelial Untrain	form of coastal management. Two have ective: The ble and ineffective monitoring equipment ed analysis of data and extraction of inverse of the contraction of the contracti	nt for recording coastal conditions

© Tutor2u Limited 2016 www.tutor2u.net