Bi-Polar Survey – measuring the effectiveness of coastal defences

1. As you come across a **type of coastal defence**, add it to the table below
2. Create a **symbol or initial** for the defence (e.g. # or SW for Sea Wall)
3. Using this symbol, complete the bi-polar chart – scoring each defence in each category

Symbol / Initial	Type of defence:	Symbol / Initial	Type of defence:

Bi-Polar Chart		-3	-2	-1	0	1	2	3	
Cost	Expensive								Cheap
Life span	Short Lived								Long lasting
Appearance	Ugly								Attractive
Effectiveness	Ineffective								Effective
Impact on processes	Bad effects								Good/no effects
Impact if scheme fails	Large effect								Minor effect

Try ranking the schemes: **(e.g.** 1 = best in category,   9 = worst in category (depending on the no. of schemes)**)**

Scheme	Cost	Life span	Appearance	Effectiveness	Impacts (processes)	Impacts (if fails)	Total Score
Groynes	£10, 000 each	30-40 years					
Sandstone Boulders	Transport & installation	20 years (approx)					
Shingle ridge	Free (natural)	Fluctuates					
Sea Wall	£6,000 per metre	50+ years					
Cliff wall	£2,000 per metre	15 years (collapse)					
Gabions	£100 per metre	Less than 10 years					
Vegetation matting	Low cost	Slumps prone to loss					
Jetty	£200, 000 total	50+ years					
Beach Recharge	£2m	70 years					