



Longshore Drift and Spits – Knowledge Organiser

| <u>Key Terms</u> | <u>Complete this diagram for longshore drift</u> | <u>Describe the landform shown in the picture below (Blakeney Point):</u> | | | | | | | | | | |
|---|--|---|-------|--|----------|--|--------------|--|------|--|---|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">Longshore drift</td><td></td></tr> <tr><td>Swash</td><td></td></tr> <tr><td>Backwash</td><td></td></tr> <tr><td>Offshore bar</td><td></td></tr> <tr><td>Spit</td><td></td></tr> </table> <p>Named examples of spits with location:</p> <ul style="list-style-type: none"> ❖ . ❖ . ❖ . | Longshore drift | | Swash | | Backwash | | Offshore bar | | Spit | | <p>Beach</p> <hr style="border: 1px solid black;"/> <p>Sea</p> <p style="text-align: center;">Direction of longshore drift</p>  | <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>  |
| Longshore drift | | | | | | | | | | | | |
| Swash | | | | | | | | | | | | |
| Backwash | | | | | | | | | | | | |
| Offshore bar | | | | | | | | | | | | |
| Spit | | | | | | | | | | | | |

Explain how erosion, transportation and deposition all helped to make the spit at Blakeney Point (see photo top right) . <https://www.bbc.co.uk/education/clips/z7h4d2p>

Explain what would happen to spits if a local council decided to put groyne onto a beach along the coastline from where the spit gets its sediment from.

Why are spits good places for wildlife?

Why do people like to use spits for leisure purposes? What damage might they cause?

| <u>Coastal Management Plans</u> | | |
|---|------------|---------------|
| | Advantages | Disadvantages |
| <p>Hard engineering defences such as:</p> <ul style="list-style-type: none"> Groynes Sea walls Revetments Gabions | | |
| <p>Soft engineering such as:</p> <ul style="list-style-type: none"> Beach nourishment Planting grasses to stabilise cliffs and sand dunes | | |
| <p>Managed retreat / managed realignment</p> | | |