Coastal Landscapes in the UK

Geography Homework

Waves

1 True or false?
Waves are a disturbance on the surface of the sea or ocean in the form of a moving ridge or swell.

☐ True ☐ False

2 Which of the following causes waves?

☐ Wind
☐ Tides
☐ Gravity

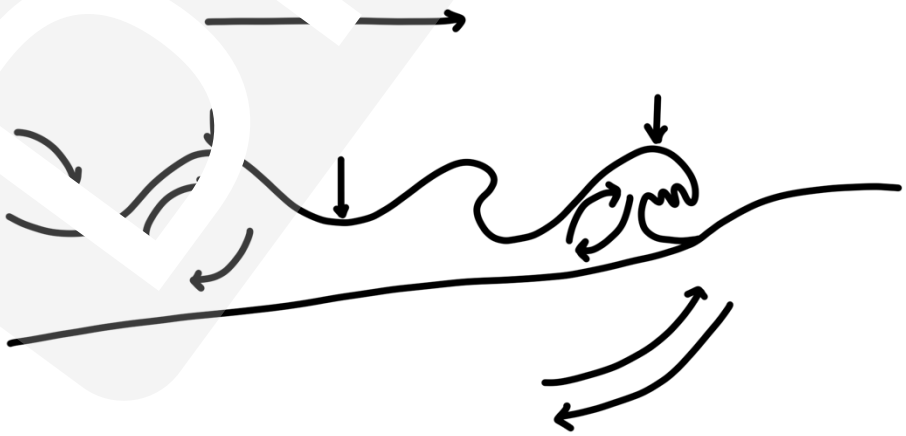
3 Waves are made when the w_____ blows across the sea and creates f_____ with the water. In deep water, the water moves in a circular motion. It's only near the shore, where the water is s_____, that the waves move the w_____ forward onto the land.

4 What factors affect the size of a wave?

☐ Wind speed ☐ Fetch ☐ Wind duration ☐ Tides

5 What is the fetch of a wave?

6 Label the main features of a wave.



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waves

Constructive waves

destructive waves

Geography Homework

7 Draw a diagram to show the characteristics (features) of a destructive wave.

8 Draw a diagram to show the characteristics (features) of a destructive wave.

9 Look at the characteristics below and decide if they belong to destructive waves or constructive waves.

Low and gentle waves

Tall and powerful waves

Build up beaches by depositing sand and pebbles

10–15 waves per minute

6–9 waves per minute

Strong backwash (pulls material back into the sea)

Erode the coast by removing sand and rocks

Strong swash (pushes material up the beach)

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