

What is coastal erosion and what does it look like?

Aims:

- To find how what erosion is and how it works
- To discover and understand the 4 different types of erosion
- To see what erosion can do to the coast

What is erosion?

Erosion is the wearing away of rocks by waves

Certain waves cause erosion, these are called
_____ waves.

The _____ is stronger than the _____ and
therefore it _____ material from the
coastline.

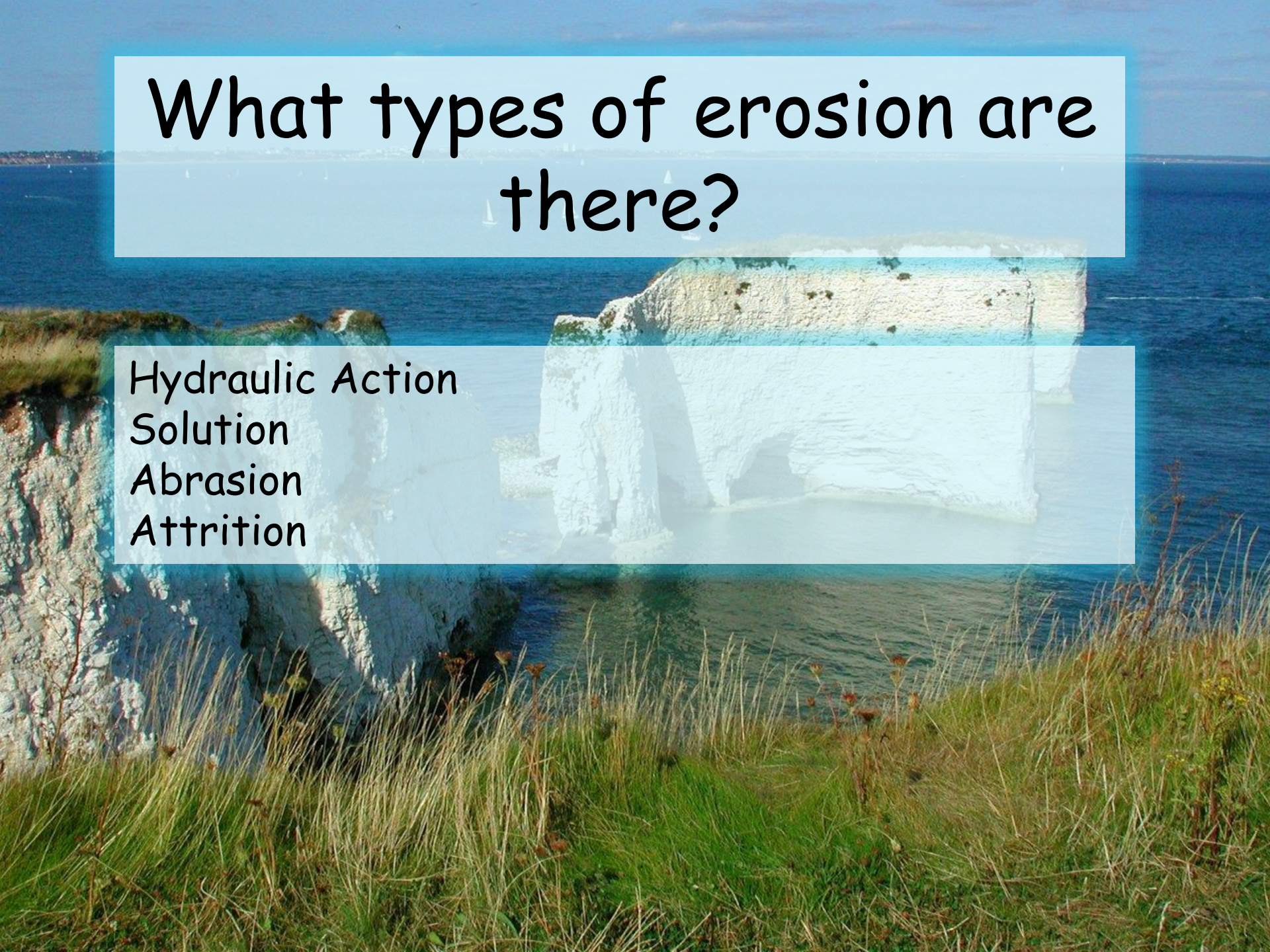
What types of erosion are there?

https://www.youtube.com/watch?v=wGe_I_vBWKA



What types of erosion are there?

Hydraulic Action
Solution
Abrasion
Attrition



Task

In front of you as a pair, there is a set of cards

You are going to sort them




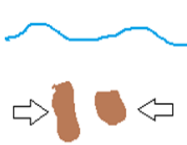
You will have 4 piles - one for each type of erosion

In each pile you need:

- The name of the erosion
- Definition
- Picture of how it works

3 mins

What types of erosion are there?

Hydraulic Action	Water is forced into cracks and forces the crack apart, widening it	
Solution	Water dissolves rock like a tablet in water	
Abrasion	Water flings pebbles and rocks against the coastline wearing it away like sandpaper	
Attrition	Bits of rock is bashed together and they break each other into smaller and smaller bits	

Copy into exercise book 6 mins

Bays and Headlands



Bays and Headlands



What does erosion do to the coast?

<https://www.bbc.co.uk/bitesize/guides/z8tstv4/revision/1>

Watch carefully

In a moment you will need to sort cards into chronological order showing how caves, arches and stacks are made

You will also need to match the correct picture to the correct statement!

Caves, arches and stacks



In your book, draw out each of the pictures with the corresponding piece of writing

8 mins

Key Coast Words

Key word Bingo

Draw a box with 4 boxes in it

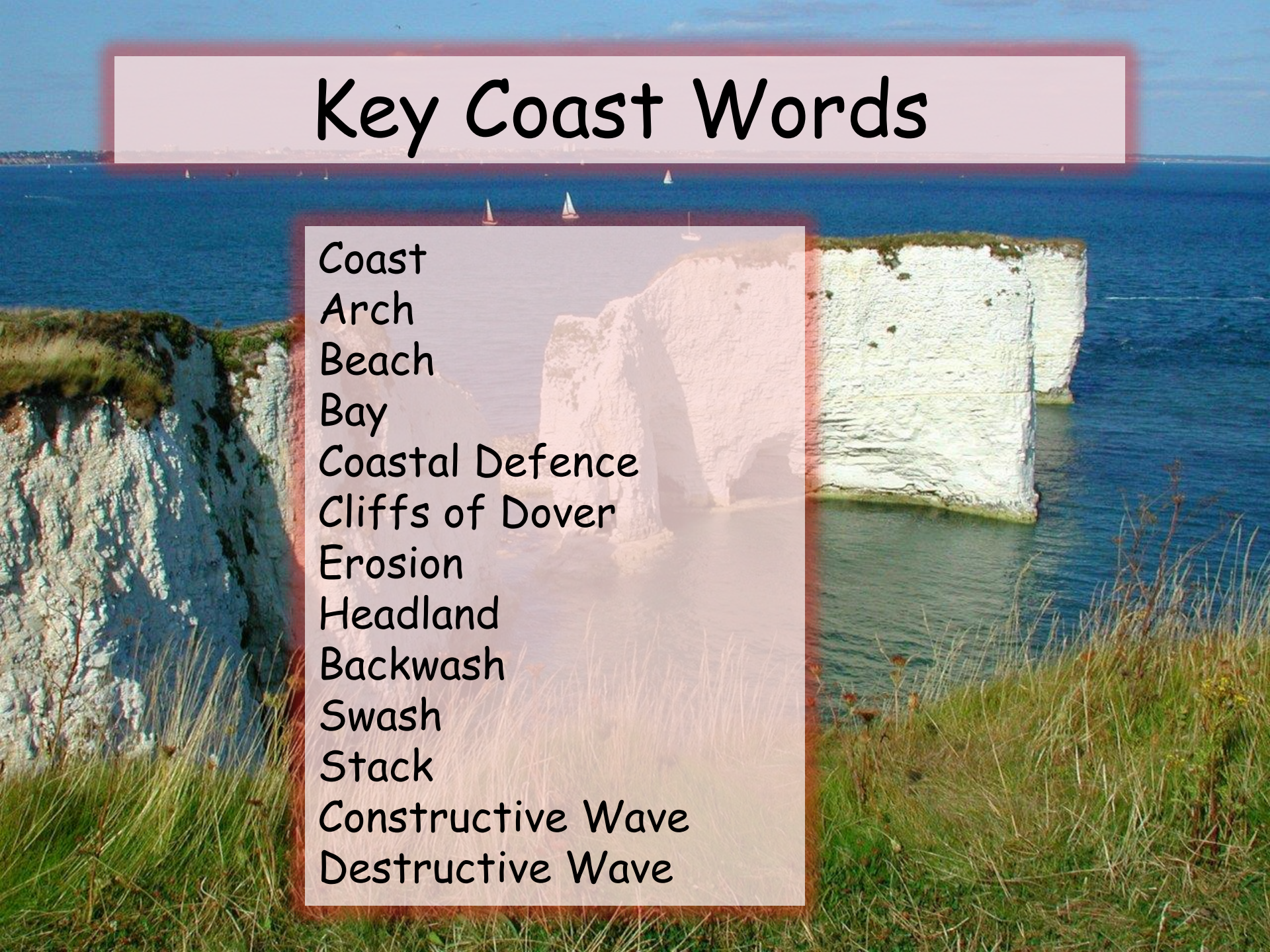
Choose any 4 words on the next slide and write one into each box

I will call out the definitions of these words in a random order and if you have the word I'm talking about then score it out.

The person to have all their words correctly scored out wins

Key Coast Words

Coast
Arch
Beach
Bay
Coastal Defence
Cliffs of Dover
Erosion
Headland
Backwash
Swash
Stack
Constructive Wave
Destructive Wave



Homework

Your homework is to research the following questions and then answer them:

1. What is a wave cut platform?
2. Explain how it is made

You should write it out step by step and you can draw a diagram with labels if you find it easier to explain that way!?

Google: Wave Cut Platform GCSE Bitesize