

Cliffs Wearing Away

There are four ways that waves erode the cliffs. Can you fit the correct word in the paragraph below from the list underneath?

Compression

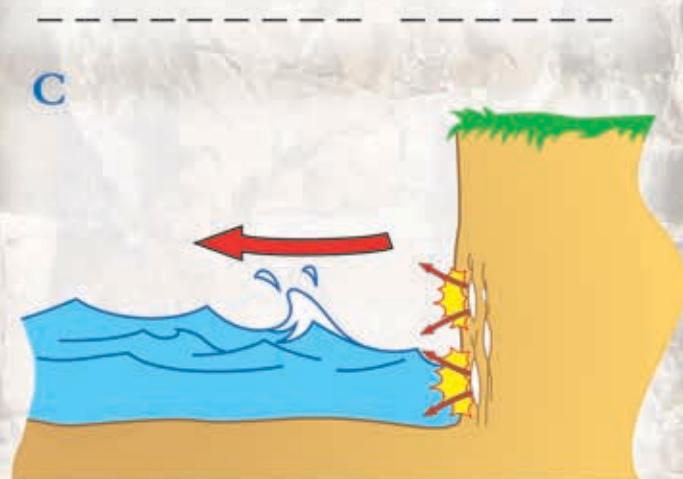
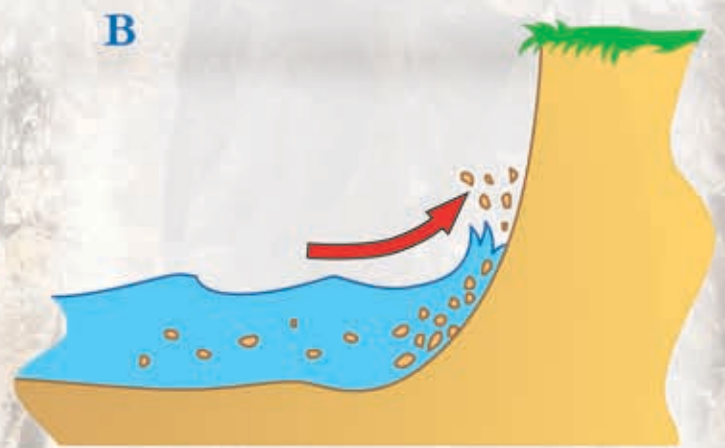
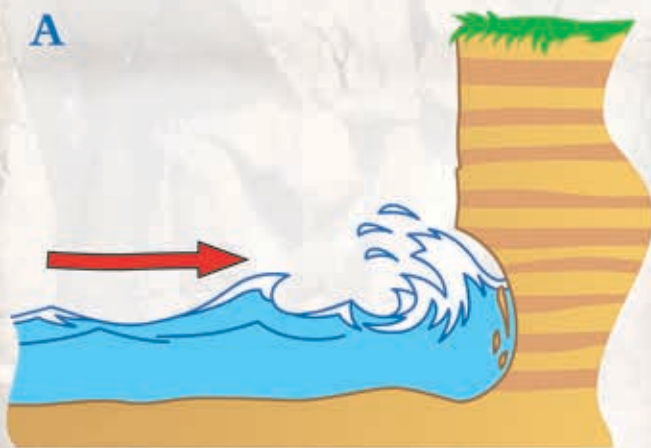
Hydraulic action

Attrition

Abrasion

The force of the waves pounding the coastline is called _____ . Up to 25 tonnes of pressure per square metre can be inflicted and that's a fair old pounding. When air is trapped in a crack or fault in the cliffs the incoming waves compress it and put pressure on the rock. The sudden expansion of the air as the wave retreats is like an explosion and it weakens the rock. This type of erosion is called _____. Often material, such as pebbles and rocks are carried in the water and are thrown at the cliff face day in and day out. You can imagine how effective in a storm this process called _____ is at wearing away the cliffs. _____ is the erosion of the material carried in the waves. Pebbles and stones become smooth from the action of being bashed against the cliffs.

Now label each diagram with the correct type of erosion.



Cliffhanger Quiz Time



This is a brain-teaser to help you to get to know your geographical features. Draw a line to join the feature to the correct description of it.

1. Once a sea stack erodes it becomes one of these.

2. A cavity widened by abrasion.

3. As sea arches grow in size the roof eventually collapses due to a lack of support. The piece of land left standing and isolated from the land is called.

4. An indent in the coastline between two headlands.

6. An outcrop sticking out to sea.

5. When a cave begins on one side of a headland and grows in length to break through to the other side it forms one of these.

- A. A cave B. A headland C. A sea stack D. A sea stump E. A sea arch F. Bay

Answers: 1D, 2A, 3C, 4E, 5B.

Activity

See if you can name at least one example of each of these features that you've seen at the Cliffs of Moher. Once you have done that draw an example of each one.



Pádraig's Puffin Quiz

"Hi! My name is Pádraig and I think it's time you found out a few facts about me and my family of puffins. From the answers listed below complete the quiz."

55mph

The atlantic puffin

The auk family In a burrow



1. Which bird is nicknamed 'clown of the ocean'?

2. What family is the puffin from?

3. Where do puffins lay their one egg?

4. Puffins beat their wings up to 400 times per minute, but how fast can they fly?

Puffin did you know?

Puffins can carry up to 30 small fish at once!

When puffins moult they are unable to fly for a short period of time.

Young puffins are called 'pufflings'!

Puffins are still caught and eaten in Iceland and the Faroe Islands.

Puffins spend eight months on the open ocean outside the breeding season. They even manage to sleep!

Puffin predators include peregrine falcons, ravens and great black-backed gulls.

Puffins can live for 20 to 25 years - as long as they don't meet a hungry peregrine falcon!

Activity

Draw Pádraig in the space below

Cliffs of Moher Bird Search

In the grid below you will find some of the commonest birds you can see at the Cliffs of Moher. There are two odd ones out that aren't birds. Can you spot them?

B	G	V	J	T	D	W	Y	E	I	E	K	D	W	S	H	A	G	G	H
Y	O	V	H	B	Z	Q	T	U	H	Q	P	U	F	F	I	N	Z	Y	R
L	G	T	Q	B	D	C	H	O	U	G	H	T	U	D	K	A	L	Y	A
T	E	Y	T	B	T	M	U	Z	E	F	P	V	J	K	X	S	F	D	V
R	O	O	K	L	Q	A	X	W	Y	K	L	F	X	M	G	P	M	Z	E
W	H	Q	P	Q	E	K	B	H	K	I	T	T	I	W	A	K	E	F	N
X	E	S	O	V	W	N	Q	T	F	E	G	P	B	P	N	C	G	U	Y
H	U	O	I	Y	T	I	O	A	K	I	B	A	D	M	N	R	Y	L	U
Y	E	N	D	H	K	E	G	S	A	K	E	S	T	R	E	L	L	M	T
B	P	R	G	H	Y	E	O	U	E	D	G	M	A	S	T	U	J	A	U
Q	Z	Q	R	N	K	I	E	W	I	D	U	R	E	E	G	I	M	R	J
V	F	O	T	I	H	N	Y	P	O	L	O	A	E	N	I	N	K	L	D
C	W	A	M	I	N	R	V	Z	P	C	L	L	I	Y	T	W	N	R	P
E	F	M	H	N	L	G	T	X	V	W	Z	E	P	G	H	R	F	D	F
S	B	A	S	K	I	N	G	S	H	A	R	K	M	H	N	E	D	T	Z
G	H	U	W	O	S	P	M	U	Q	C	R	T	T	O	I	W	R	F	Q
A	J	F	F	R	G	J	P	U	L	J	I	E	U	A	T	N	L	O	J
V	K	R	A	Z	O	R	B	I	L	L	R	E	U	F	W	M	M	L	N
U	K	X	V	E	N	G	P	K	F	Y	P	R	P	W	X	V	H	A	X
G	R	E	A	T	B	L	A	C	K	B	A	C	K	E	D	G	U	L	L

Great Black-Backed Gull Herring Gull Basking Shark Kittiwake Fulmar
 Gannet Guillemot Puffin Razorbill Bottlenose Dolphin Shag Rook
 Grey Heron Kestrel Raven Chough

Did you spot the two odd ones out? Write their names here.
