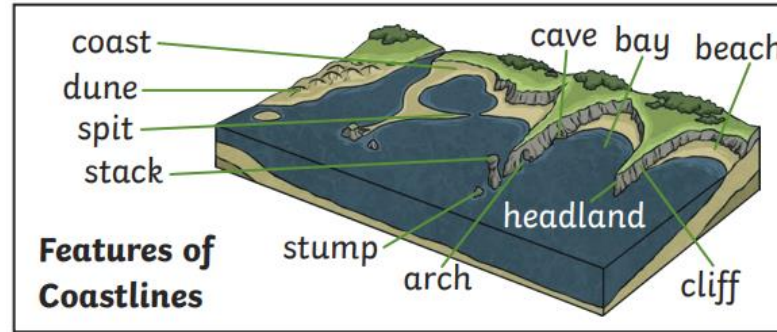


Key vocabulary	Definition
Border/boundary	The outer part or edge of a region or country that divides it from another.
Deposition	When material/sediment is moved and dropped off in a different place.
Dissolve	When a solid substance mixes with a liquid to make a solution.
Erosion	When natural materials are worn away and transported to a different place
Weathering	The process of wearing away rocks by the weather

Year 5 and 6

Autumn 1

Our Changing World



Weathering and Erosion

Weathering is the process of wearing away rocks by the weather.

There are three different types of **weathering**:

- physical **weathering**
- chemical **weathering**
- biological **weathering**

Erosion is where natural materials are worn away and transported by environmental features such as water, wind and ice.

Changing Landscapes

Landscapes can change over time for many different reasons:

- New houses/buildings and roads are built
- Old buildings are demolished or updated
- Areas of land may be cleared for farming or building

Some landscapes are important and there are things in place to stop development such as:

- Listed buildings
- National/country Parks
- Green belt/conservation areas
- Sites of Special Scientific Interest
- World Heritage Sites



Physical Weathering

Water gets into cracks in the rock, it can then freeze causing the water to expand creating cracks in the rock.



Chemical Weathering

Slightly **acidic** rainwater can cause a chemical reaction and over time this can **dissolve** some of the rock.



Biological Weathering

Caused by animals and plants. Roots can grow under rocks and cause damage, animals can wear away paths, dig holes etc.



Erosion - Wind blows loose particles away or into other rocks causing the rock to be worn away.