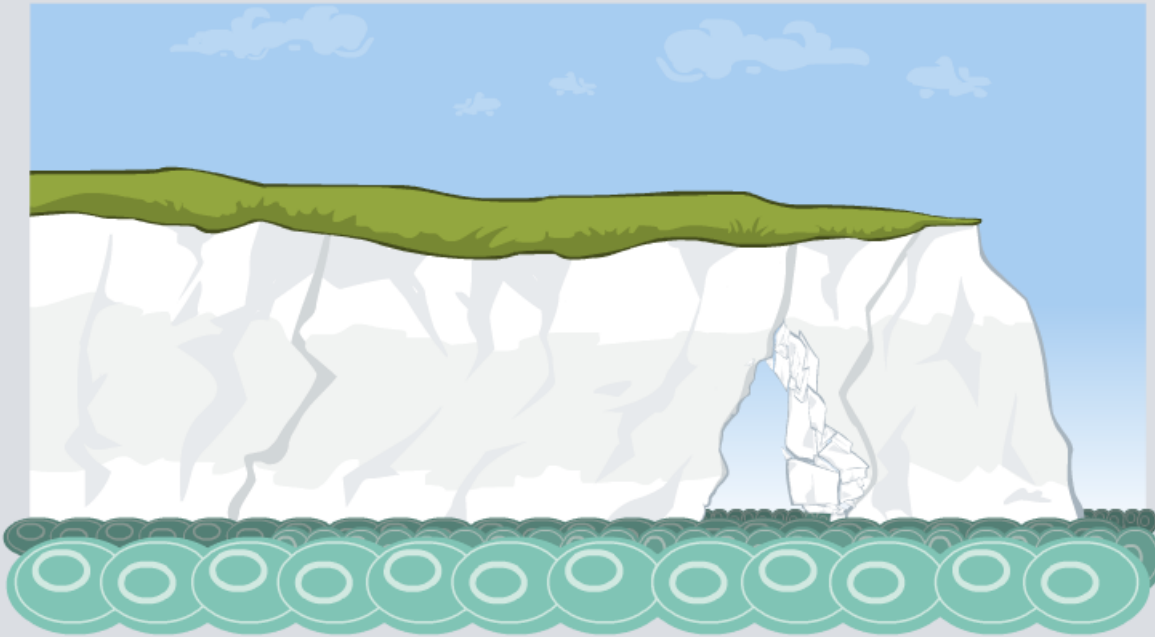


Coastal Erosional Landforms



Steep **cliffs** are often found at the coast in areas where the rocks are more resistant. Erosional processes, such as abrasion and quarrying, attack the base of the cliff.

What temporary features are formed by erosion?

Wave-cut notches and **blow-holes** are both temporary features of erosion caused by the sea eroding natural weaknesses in the rock structure – joints, bedding planes and cracks.



Wave-cut platforms are flat areas found at the base of cliffs.

What are the stages involved in their formation?



- Erosion at the base of the cliff creates a wave-cut notch.
- The cliff material above the notch is undermined.
- The material becomes unstable and eventually collapses.
- This repeats and the cliff retreats, leaving a rock platform.



Caves, arches, stacks and stumps

Some erosional landforms are created where wave action attacks weak points, such as joints in rocks and **bedding planes** between bands of rock.

The most common types of landforms created in this way are **caves, arches, stacks** and **stumps**.



Do you know what landforms the pictures show?

Creation of erosional landforms



Identifying erosional landforms



Discordant coastlines



Concordant coastlines

