

A yellow sticky note is centered on a black background. The text on the note is written in a bold, red, sans-serif font. The text is arranged in three lines: "Security Briefing", "& Background", and "Check".

**Security Briefing
& Background
Check**

Investigative terms to know before the debriefing....

Weathering: BREAKING DOWN of rocks through natural forces.

Sediment: Small PIECES of BROKEN down ROCK.

Erosion: Sediment is CARRIED AWAY by natural forces.

Deposition: Sediment is DROPPED OFF onto the land from agents of erosion.

WANTED



\$1 million REWARD

AGENT WAVE

Question:
**Where does agent
wave get his energy
from?**



***HINT: It's one of the agents of
erosion! Your choices are gravity,
glaciers, wind or running water***

Answer:

**The wind that blows across
the surface of the ocean.**

A photograph of a rocky coastline. The ocean is a deep blue, and white, frothy waves are crashing against dark, jagged rocks. The scene is dynamic, with water splashing and creating a misty spray. The overall tone is somewhat somber due to the blue color palette.

How do waves ERODE (& weather)
coastlines?



IMPACT!!

impact – Waves carrying large sediment crack the rocks they hit over time.

How else do waves ERODE (& weather)?

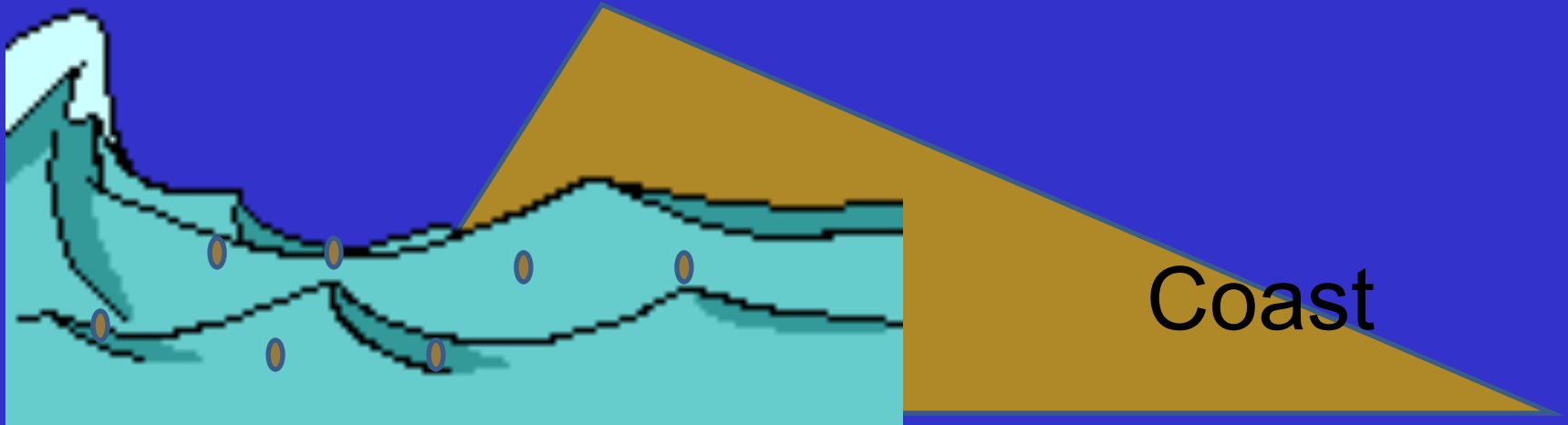


See picture
for a
CLUE!!

What is another more “medical term”
for a cut or scrape?



Abrasion (by waves) – Sediment eroded by waves, weathers rock it goes over. Waves also erode the broken rock away from shore.





**4 EROSION
landforms/CRIMES
formed/committed by
AGENT WAVE to follow...**

1) Headland

Waves break down softer parts of the coastline.



Headland



2) Sea Cave




Softer rock is weathered and eroded by waves leaving a hollow cave in the headland.

3) Sea Arch

**What's left
of
headland**



**Land between 2
caves collapse.**



4) Sea Stack



Missing headlands

Headland of sea arch collapses, from weathering and EROSION.



4 DEPOSITION
landforms/**CRIMES**
committed by
AGENT WAVE to
follow...

4 landforms made by wave DEPOSITION

1) Beaches



3) Barrier Beaches



Formed when sediment is DEPOSITED where the current slows down.

2) Spits



4) Sandbars



WANTED

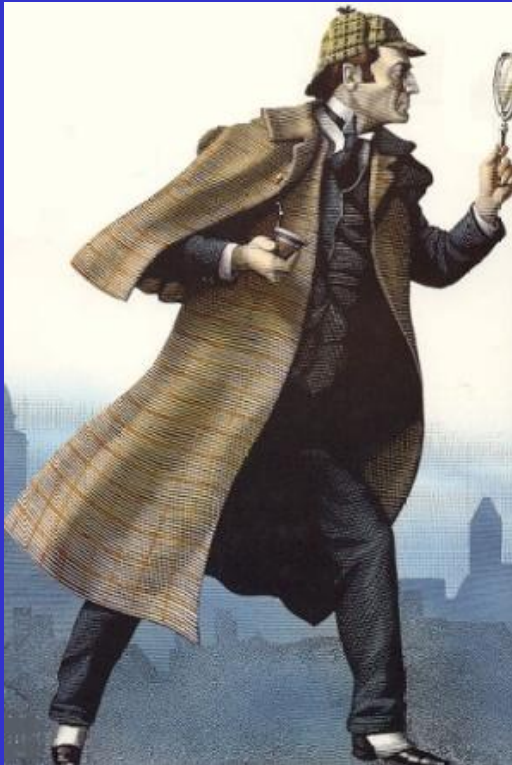


\$ 1 million REWARD

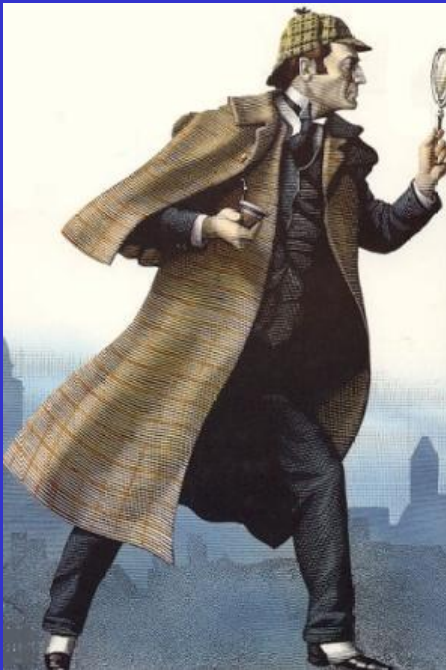
AGENT WIND

Last, but not least Heim experts will investigate...

Agent
Wind!



Most likely you will find me
DEFLATING the surface of
the Earth. Have you heard of
this word before? Please do
share....



*CLUE: You may
find deflating
matter at a
birthday party!!*

Balloons deflate!!



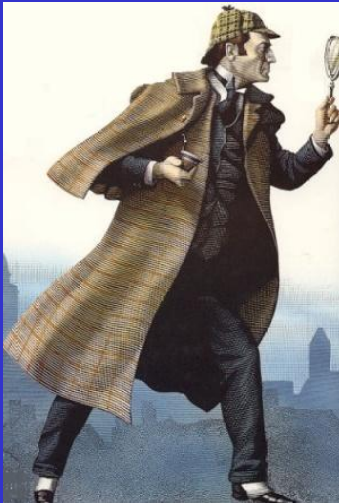


GROUND

Deflation – The process by which wind removes surface materials, such as sediment.

Abrasion (by wind) – Sediment eroded by wind polishes rock it goes over. Not destructive, happens over a long time.

Agent waves also abrades rock it goes over, with much more power!



2

landforms/**CRIMES**
committed by
AGENT WIND to
follow...

Landforms made by EROSION and DEPOSITION:

1) Sand dunes



2) Loess

