

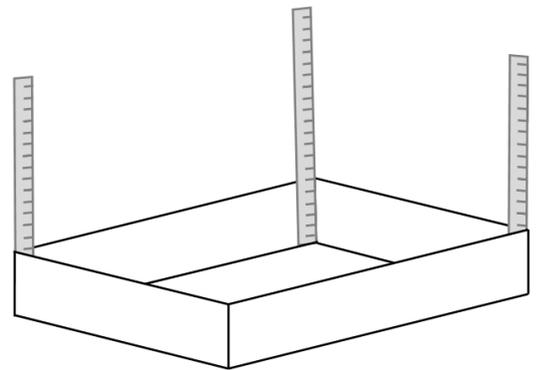
# Shifting Sands

## Creating a sand dune box

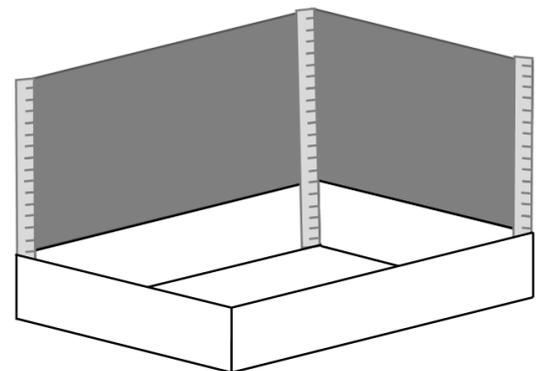
You will need:

- A large tray or box
- Three 30cm rulers
- Tack
- Sticky tape
- A bin bag
- Dry, fine grain sand
- Paper drinking straws

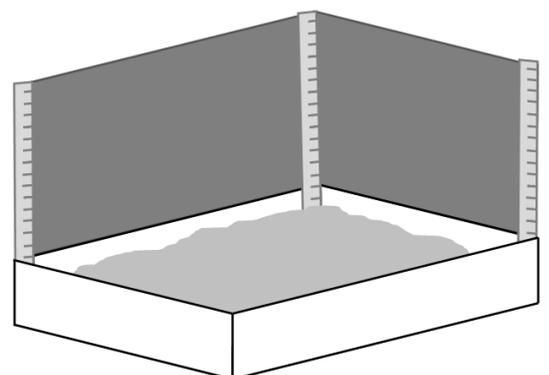
Attach the three rulers to three of the inside corners of the tray using the tack.



Around the outside of the tray (and tucking underneath the tray) tape a polythene bin bag, so that it is tight against the rulers.

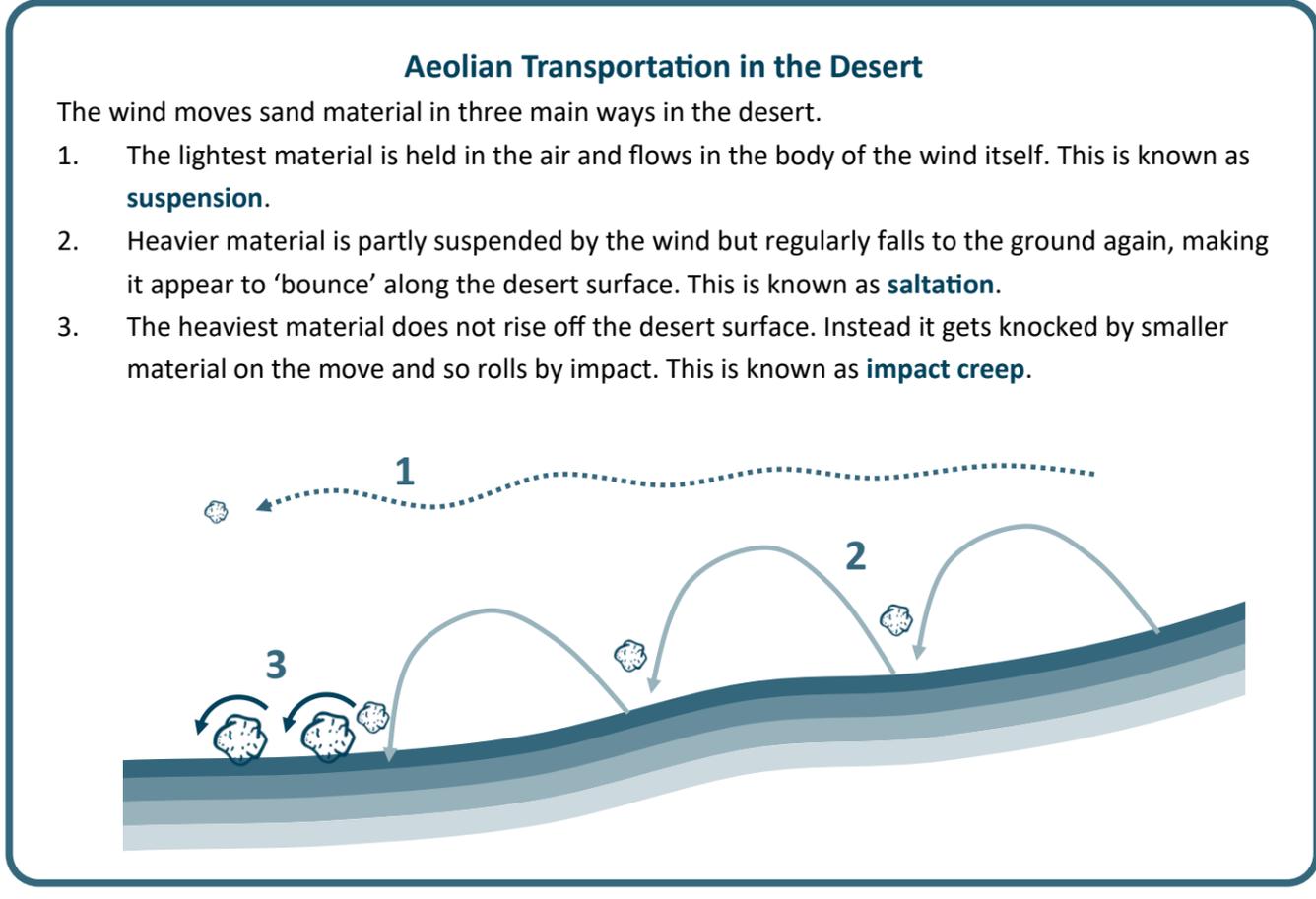
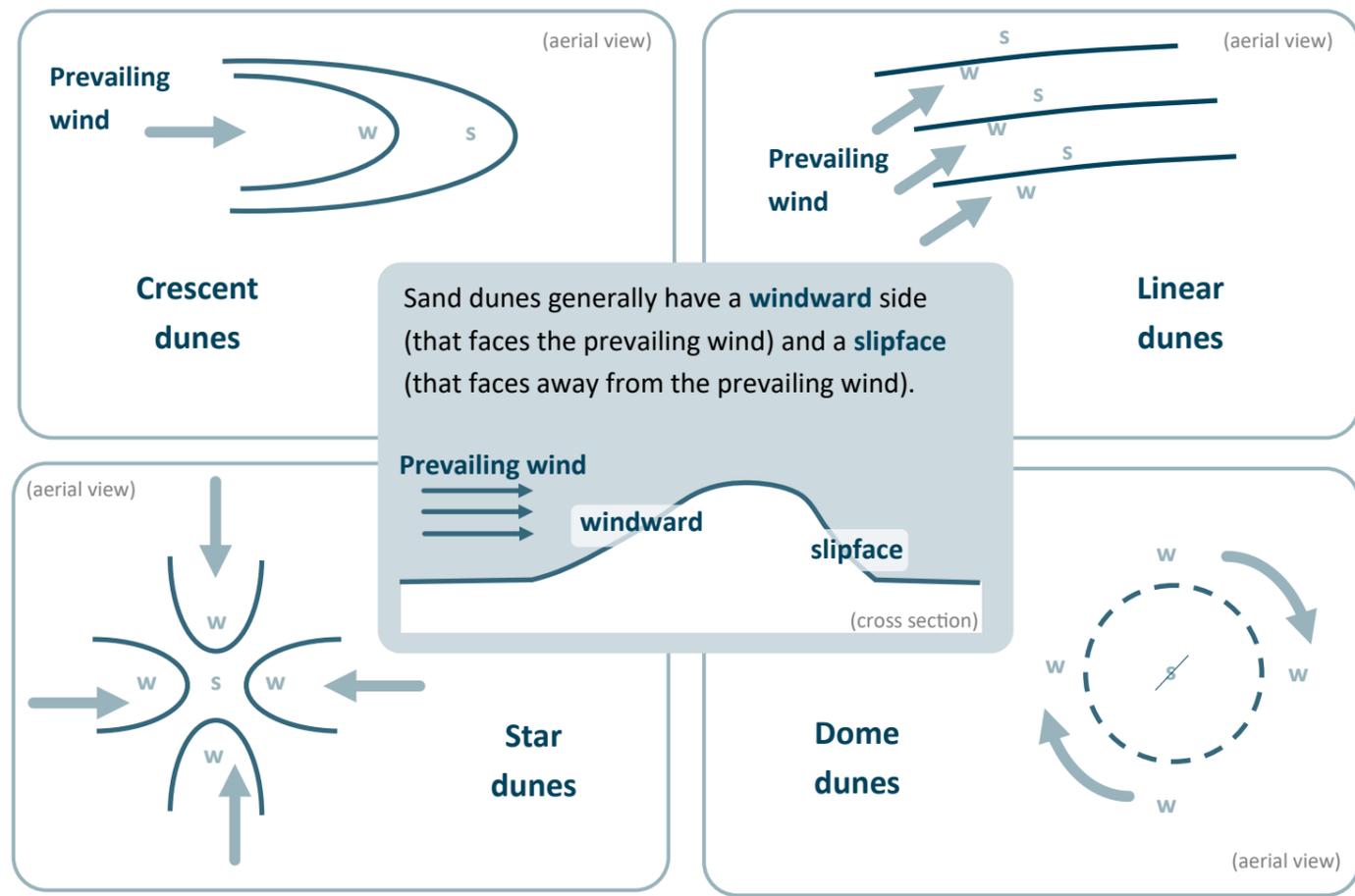
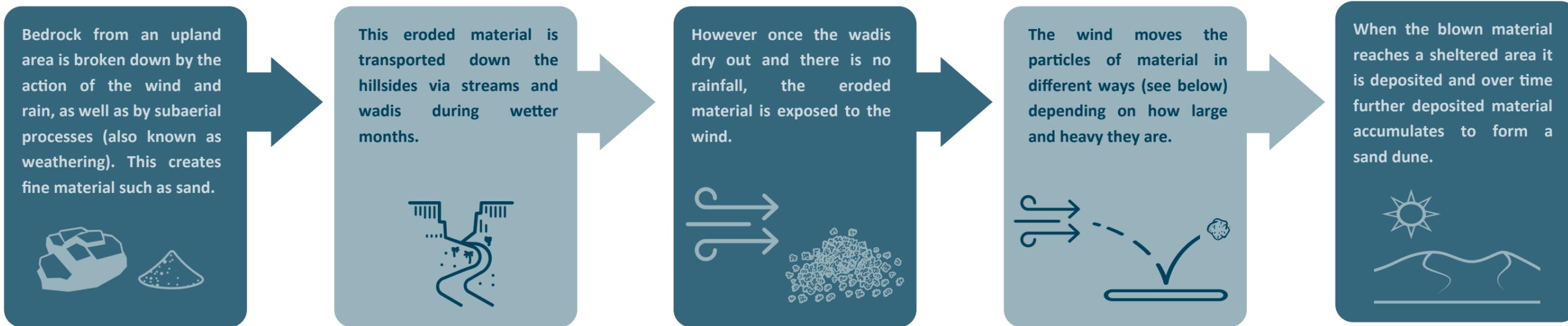


Fill the tray with dry, fine grain sand. Students can then use paper drinking straws to blow different shaped sand dunes



# What are sand dunes and how are they formed?

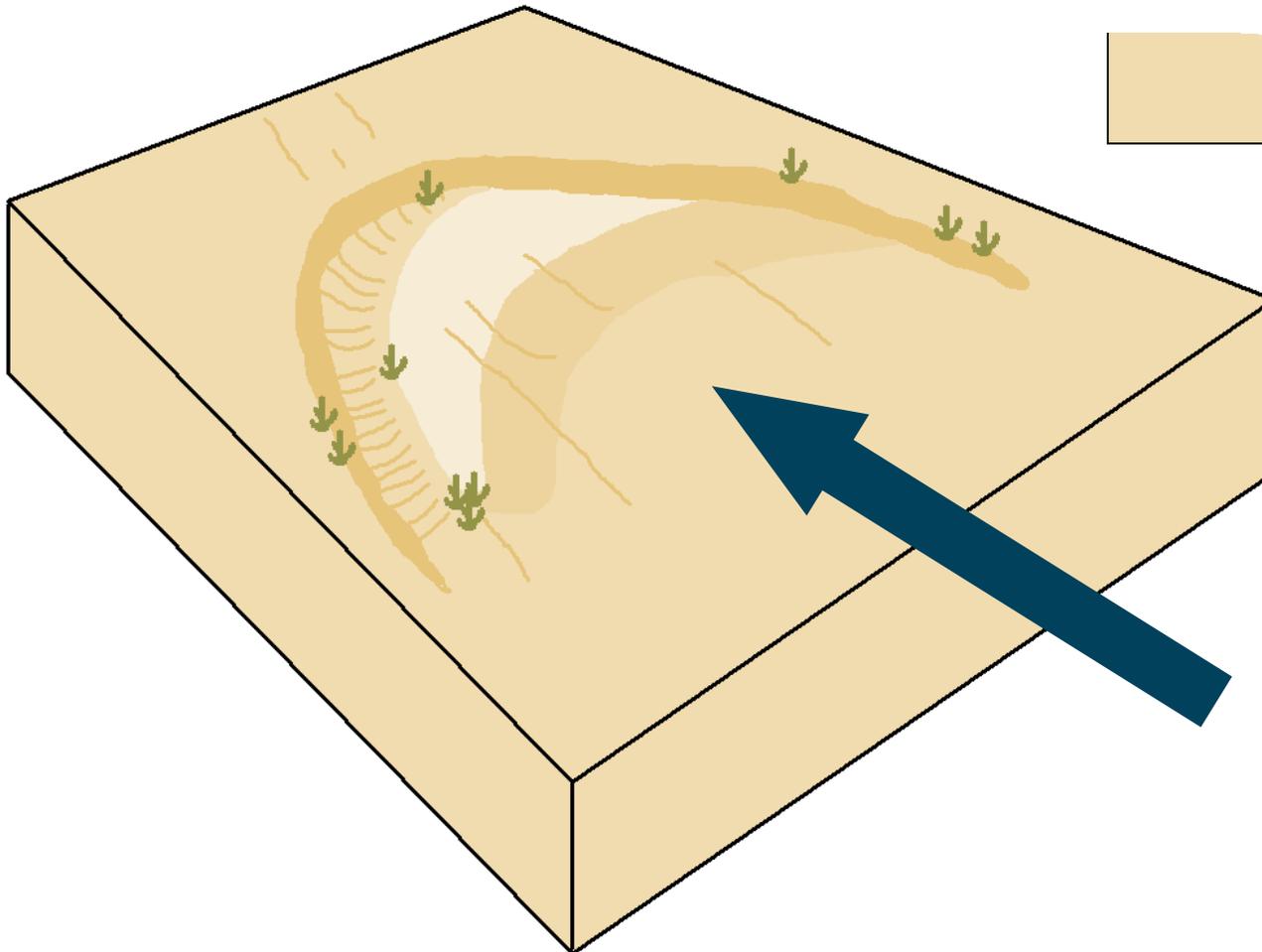
**Definition:** a **sand dune** is a mound of sand that has been formed by the impact of the prevailing wind. These 'windy' actions are known as **Aeolian Processes**.



# Shifting Sands

## Types of sand dune

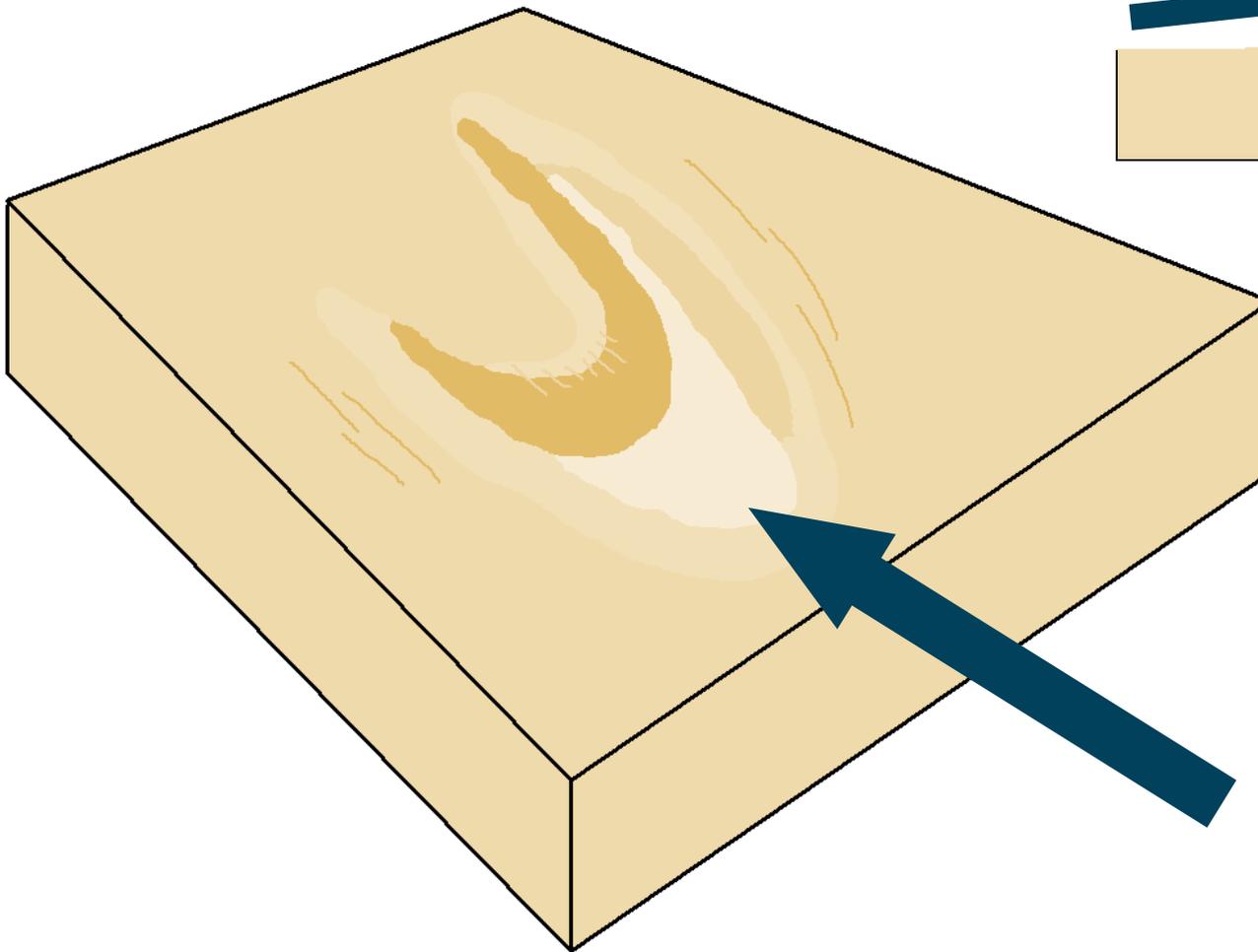
Parabolic dunes



# Shifting Sands

## Types of sand dune

Barchan dunes



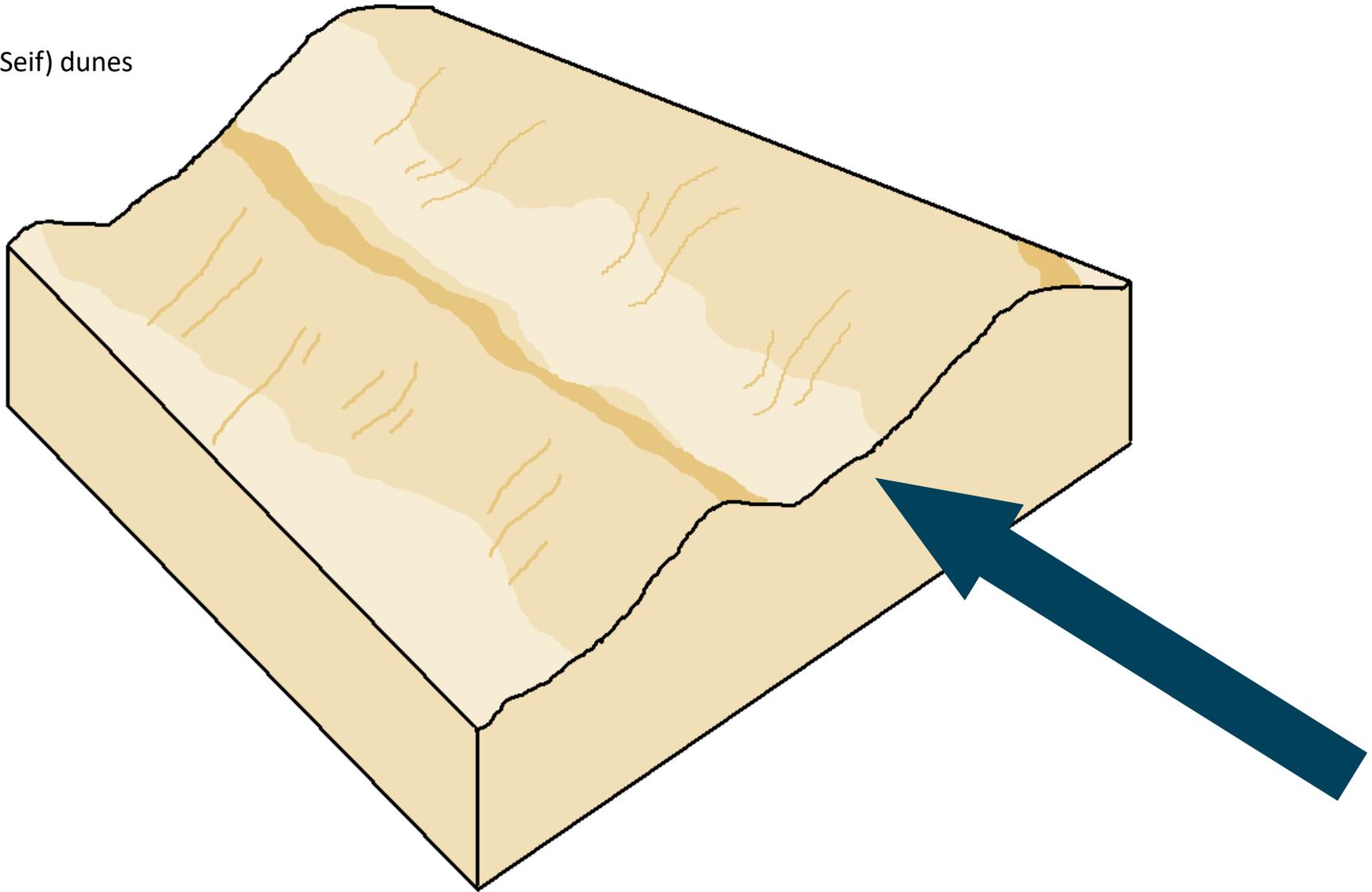
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# Shifting Sands

## Types of sand dune

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Longitudinal (Seif) dunes



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# Shifting Sands

## Types of sand dune

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Dome (Rhourd) dunes

