

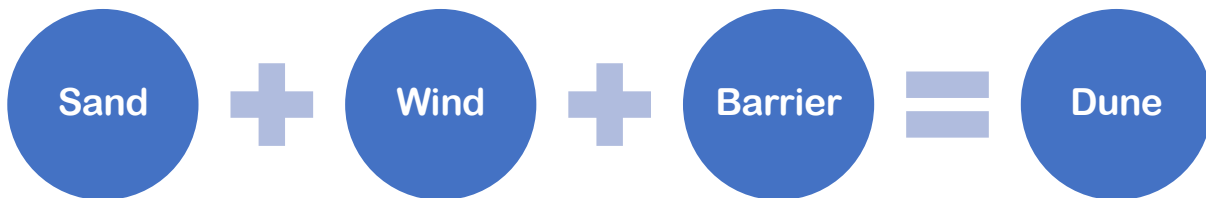
COASTAL SAND DUNES

OUR FIRST LINE OF DEFENSE AGAINST COASTAL FLOODING

Coastal foredunes form when wind piles up grains of sand. Dunes are the highest point on the beach – known as a topographic high – and act as a natural buffer to storm surge and sea level rise.

How are dunes formed?

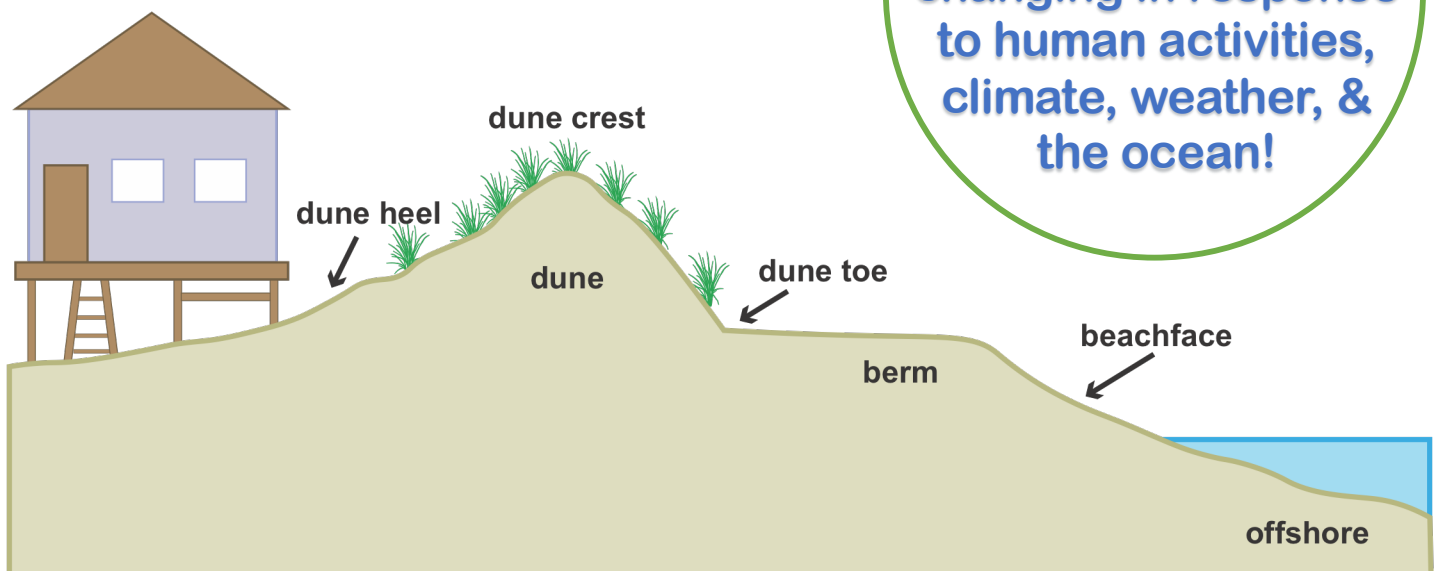
Dunes form when there is a source of sand (like the beach), wind strong enough to move the sand, and a means of causing the sand to be dropped by the wind, like a barrier or reduced wind speed



Why should we care about coastal dunes?

- Protect infrastructure & homes from flooding
- Trap carbon & filter pollutants
- Provide habitat for animals & plants
- Turtles & birds nest in dunes

Dunes are dynamic features that are always changing in response to human activities, climate, weather, & the ocean!



I think dunes are cool because _____.