

# Challenge Activities

## Wave Energy Challenge

### Challenge

Do waves make a difference?

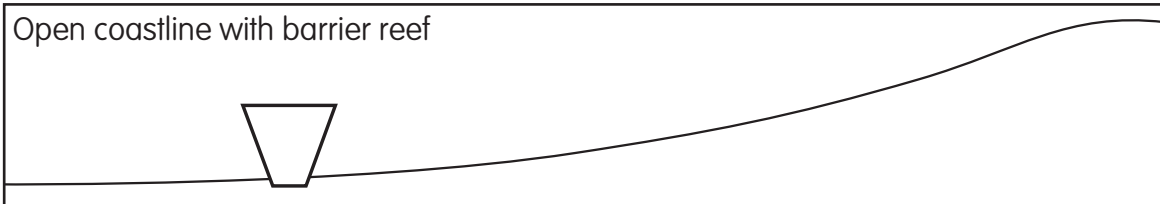
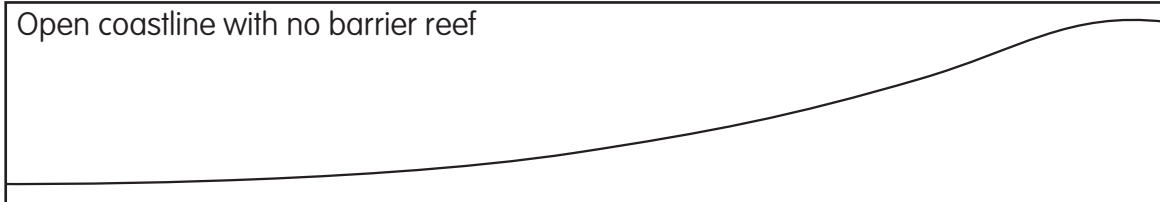
Waves can be either constructive or destructive. How might constructive waves be different to destructive waves?

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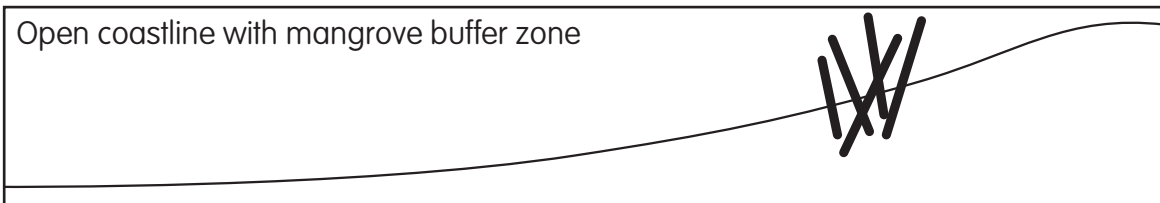
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Upstairs in Reef HQ's Interactive Zone you will find the wave machine. Set up the following simulations. After completing each simulation draw in the structural changes that have occurred.



How does the Great Barrier Reef influence the size of the waves that reach the coastline?



Some coastal developments require mangroves to be cleared. How might this effect the coastline?

