



# Challenge Activities

## Junior Aquarist

### Challenge

Could you build a reef in a bucket?

All living organisms need basic things to survive. Look at the list below. Decide if they are needed by plants, animals or both and write your answer in the space provided.

Requirement	food	shelter	water	oxygen	light
Plant/Animal/Both					

Reef HQ is predominantly a closed system whilst nature is an open system. Complete the table below by comparing how organisms receive the essential requirements for their survival.

Requirement	Reef HQ	Nature
Food		
Shelter		
Water		
Oxygen		
Light		

Provide an example of a biotic (living) thing that influence the structure and distribution of marine organisms in the coral reef ecosystem and why?

---



---

List and explain three abiotic (non-living) things that influence the structure and distribution of marine organisms in the coral reef ecosystem?

---



---



---



---



---

