

Kelp forests

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Kelp forests of the world

- ▶ **Kelp forest** is underwater areas with a high density of algae growth.





The Arctic ocean

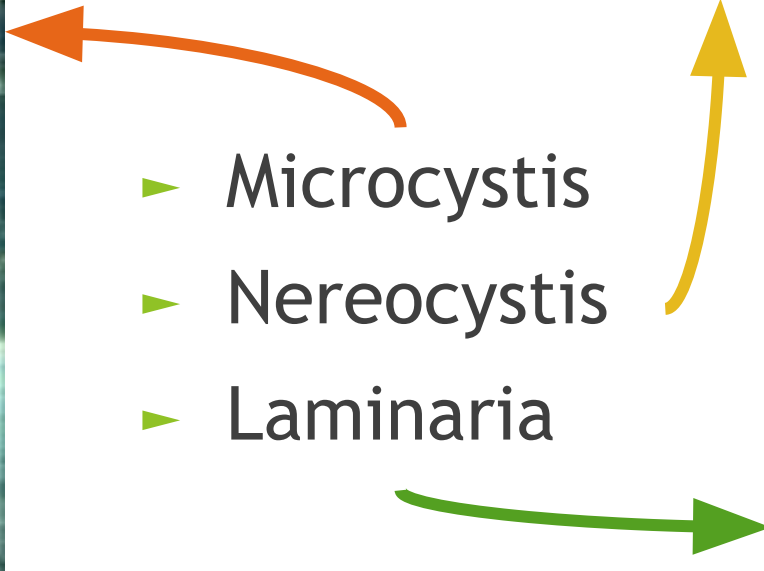
The North Atlantic ocean

Pacific coast

Ecuador



Algae



- ▶ Microcystis
- ▶ Nereocystis
- ▶ Laminaria

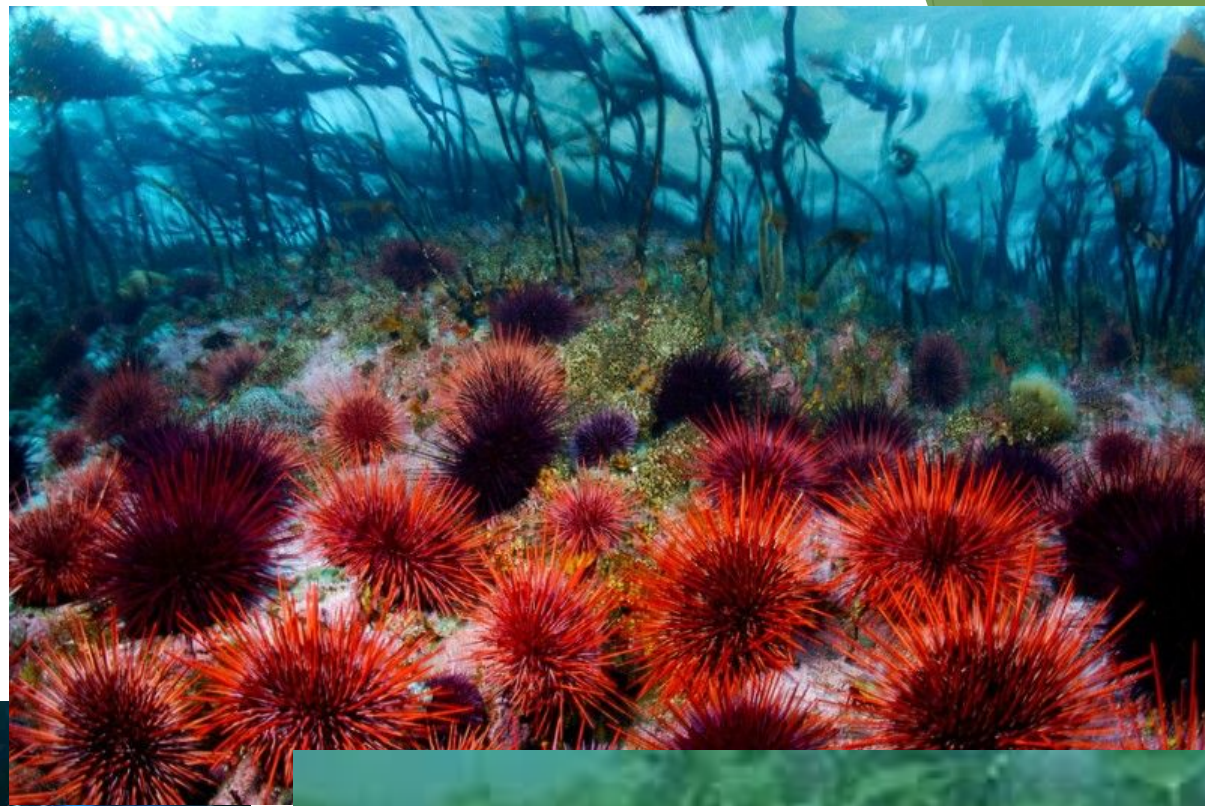






Ecosystem

- ▶ Place of food
- ▶ Shelter
- ▶ The breeding ground
- ▶ The formation of detritus



Disappearance of kelp forests

Between 2014 and 2016, a marine heat wave wiped out more than 90 percent of the kelp cover along a 200-mile stretch of California's north coast. Kelp in some areas of Southern California already had been reduced by 75 percent over the past century due to pollution and overfishing of species that protect kelp ecosystems.



Meaning of kelp forests



Meaning of kelp forests

Purple urchins



Abalone



Laminaria



In conclusion

- ▶ UC Davis launched in 2013 as a comprehensive unit to coordinate and catalyze the research, educational, and outreach programs in marine science and policy on the main campus and Bodega Marine Laboratory.



Sources

- ▶ <http://websbornik.com/category/vector-image/page/3/>
- ▶ <https://glas.ru/science/2946-podvodnye-lesa-arktiki-rasshirjajutsja.html>
- ▶ <https://zen.yandex.ru/media/id/5da224fd118d7f00ae94be34/podvodnye-lesa-zagadochnye-i-neizvedannye-miry-5dade381c05c7100adaab93d>
- ▶ <https://www.popmech.ru/science/482381-udivitelnye-podvodnye-lesa-arktiki-tainstvennaya-priroda/>
- ▶ <http://www.grandars.ru/shkola/estestvoznanie/burye-vodorosli.html>
- ▶ <https://www.nationalgeographic.com/science/2020/04/california-critical-kelp-forests-disappearing-warming-world-can-they-be-saved/>