

# BIODIVERSITY IN WALES

Key habitats and species found across Wales



**BE  
THE  
WAVE**

**MARINE  
CONSERVATION  
SOCIETY**



cadwch keep  
gymru'n wales  
daclus tidy



# OBJECTIVES

- Define the terms biome, ecosystem, biodiversity and species.
- Identify key marine habitats found in Wales.
- Name at least two marine species found in Wales and be able to explain how they are adapted to their habitat.
- Understand how species are connected to form an ecosystem.



# KEY BIODIVERSITY TERMS

**BE  
THE  
WAVE**



cadwch keep  
gymru'n wales  
daclus tidy

**MARINE  
CONSERVATION  
SOCIETY**



**Cronfeydd Strwythurol a  
Buddosoddi Ewropeaidd**  
European Structural  
and Investment Funds

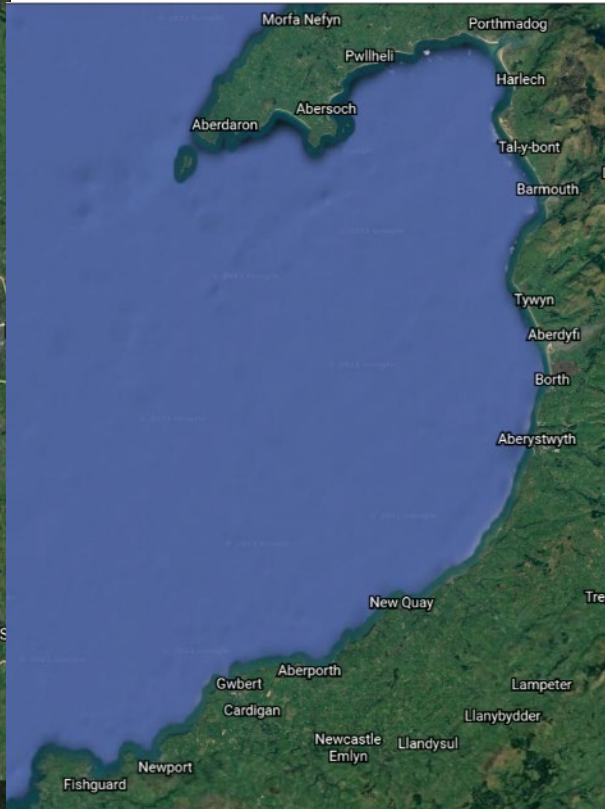
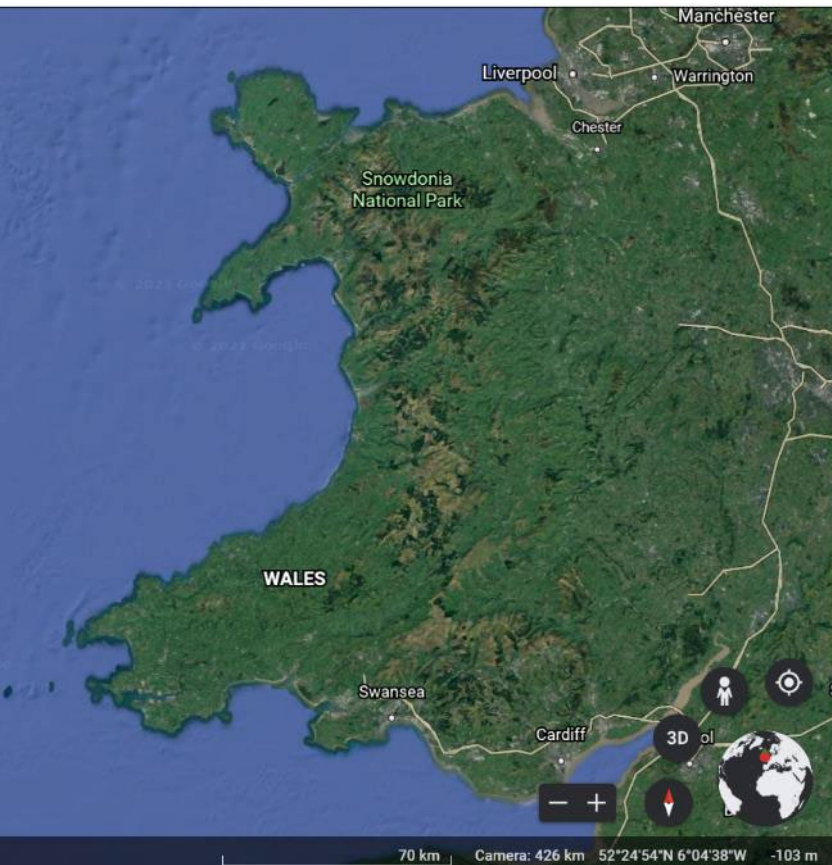






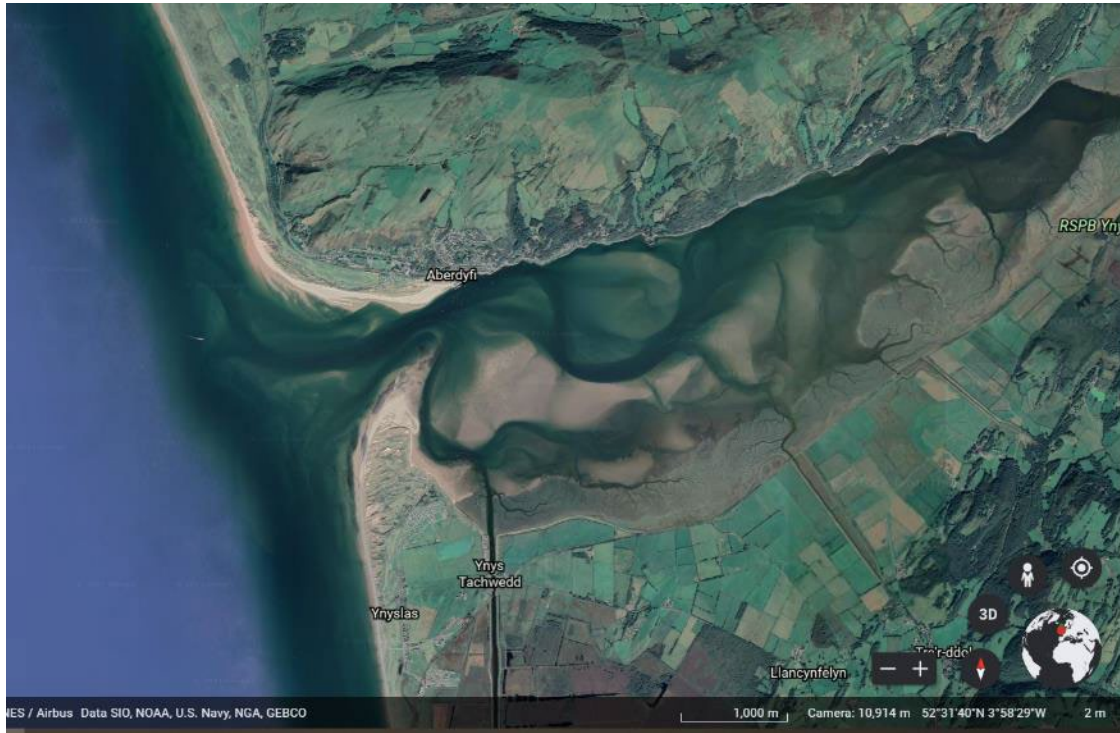


# WHAT IS AN ECOSYSTEM?





# WHAT IS A HABITAT?





# WHAT IS A SPECIES?





# ADAPTATION





# HABITATS

**BE  
THE  
WAVE**



cadwch keep  
gymru'n wales  
daclus tidy

**MARINE  
CONSERVATION  
SOCIETY**



**Cronfeydd Strwythurol a  
Buddosoddi Ewropeaidd**  
European Structural  
and Investment Funds



# KELP BEDS





# SEAGRASS





# ROCKPOOLS





# HONEYCOMB WORM REEFS





# UNDERWATER MUD





# UNDERWATER SAND & GRAVEL



# SPECIES

**BE  
THE  
WAVE**



**MARINE  
CONSERVATION  
SOCIETY**



**Cronfeydd Strwythurol a  
Buddosoddi Ewropeaidd  
European Structural  
and Investment Funds**





# BOTTLENOSE DOLPHINS





# HARBOUR PORPOISE





# BASKING SHARK





# ATLANTIC GREY SEALS





# LEATHERBACK TURTLES





# MANX SHEARWATER



© Dave Boyle via MCS



© Joe Pender via MCS

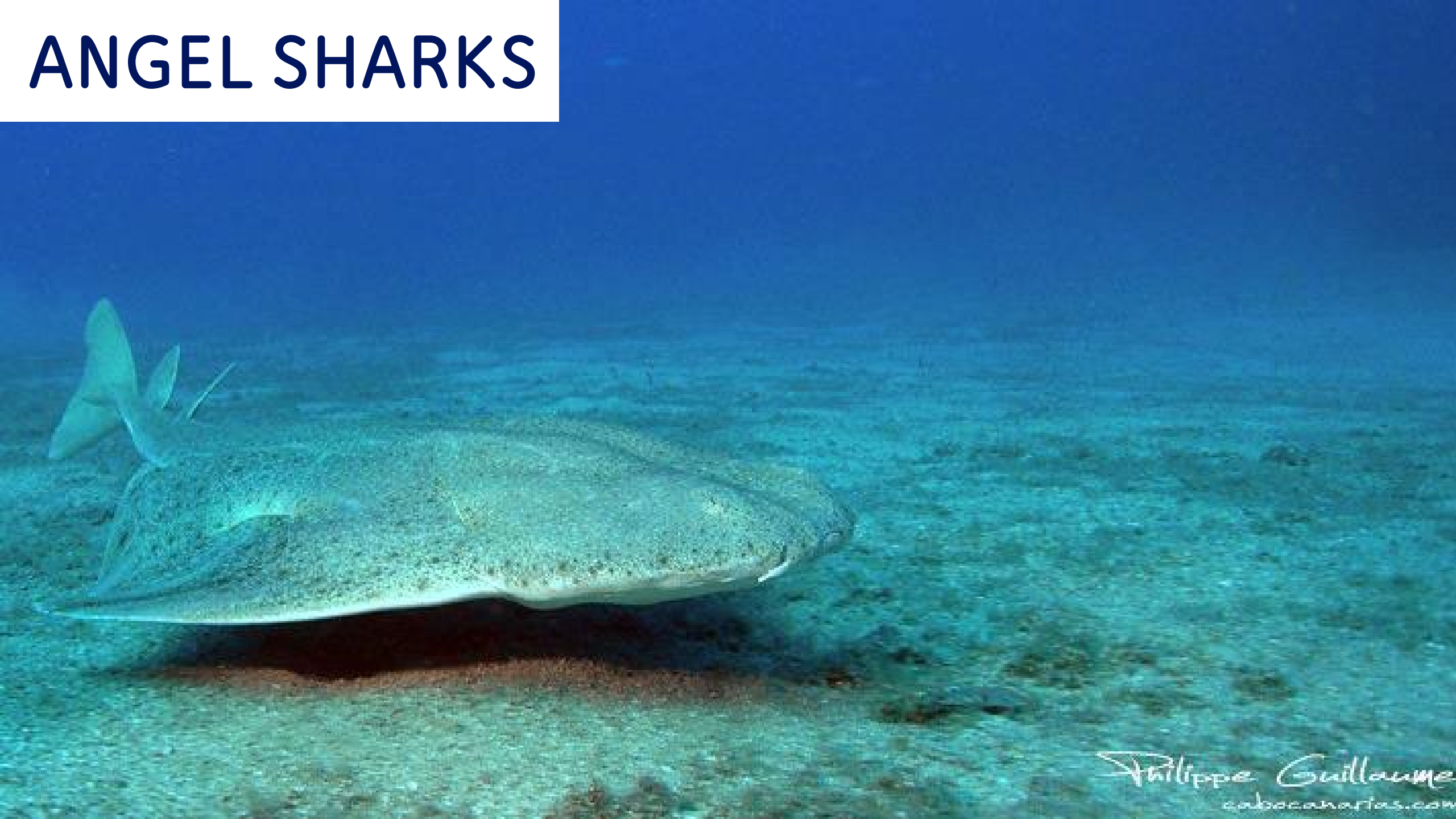


# PUFFINS





# ANGEL SHARKS



Philippe Guillaume  
cabocanarias.com





ANGEL SHARK  
PROJECT: WALES



ASCN    ASP: Canary Islands

## EVER HEARD OF AN ANGELSHARK?

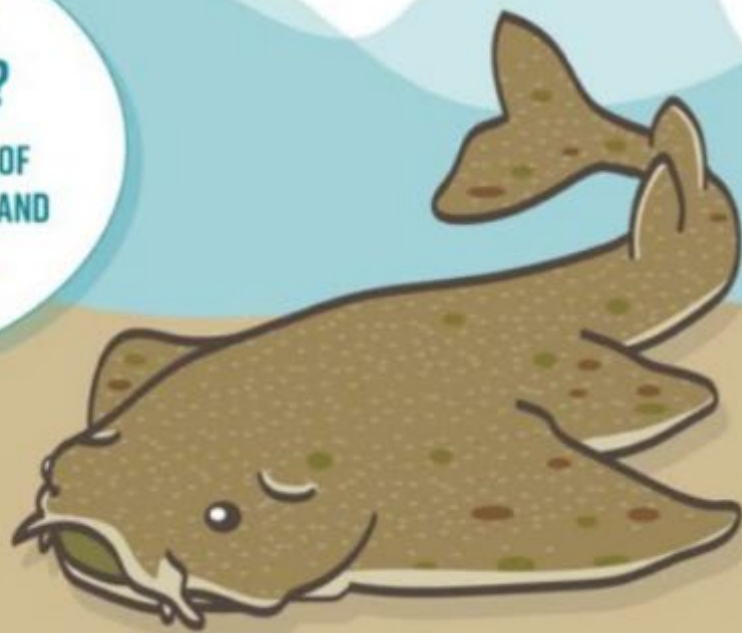
DISCOVER THE STORY OF ONE OF  
THE WORLD'S RAREST SHARKS AND  
WHERE IT LIVES IN WALES.



**ZSL**  
LET'S WORK  
FOR WILDLIFE



Cyfoeth  
Naturiol  
Cymru  
Natural  
Resources  
Wales



# ANGEL OF WALES EBOOK



# FOOD WEBS

## Food web worksheet

Apex  
Predators

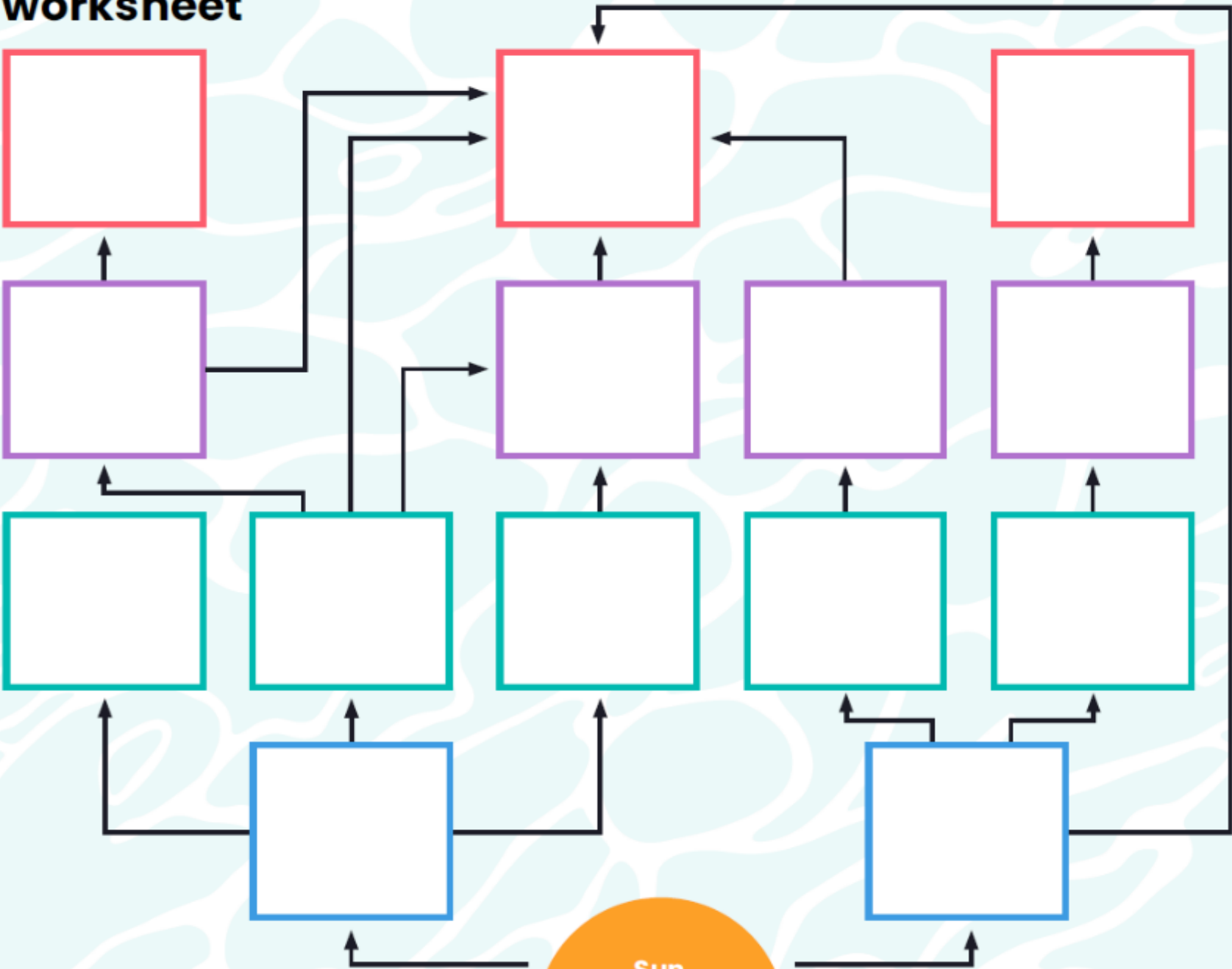
Secondary  
Consumers

Primary  
Consumers

Producers

Energy

Sun







# #BeTheWave

**BE  
THE  
WAVE**



cadwch keep  
gymru'n wales  
daclus tidy

**MARINE  
CONSERVATION  
SOCIETY**



**Cronfeydd Strwythurol a  
Buddosoddi Ewropeaidd**  
European Structural  
and Investment Funds





## SCHOOL

- Improve ocean literacy within your school by introducing ocean topics into PSHE, geography, science, history, art, design technology, English and drama.
- Does your school have a green/eco club? It is a great way to help students learn more about our incredible natural environment including diversity within your school grounds and further afield. Your group could dedicate a term to explore the underwater world in Wales.
- If your school is near the coast why not take your students out for a day trip to the beach. This could be linked to the curriculum or as part of an experience day. If you want a helping hand the Marine Conservation Society offer free seashore safaris for school groups.







## INDIVIDUAL

- Inspire your friends and family by sharing with them what you've learnt about the incredible diversity of habitats and species in coastal waters around Wales.
- The sea and coastline around Wales is fantastic. The best way to learn more about it and to stay inspired is to get out there and enjoy it.
- If you live near the coast there are several citizen science projects you can get involved with to help record the diversity on the coast and increase our scientific knowledge.
  - Record seaweed diversity on the shore to help us understand how this is changing overtime: <https://www.mcsuk.org/what-you-can-do/volunteering/big-seaweed-search/>
  - Report any sightings of jellyfish and turtles: <https://www.mcsuk.org/sightings/>
  - Record quantity and variety of shark egg cases: <https://www.sharktrust.org/great-eggcase-hunt>

