



**Joyfulmathswithruth**

**Maths In Motion**

*The ocean*

**The twilight zone**



**To join in please bring:**



**A small piece of card or paper to draw on, scissors, pencil and colouring things, ruler (ideally 30cm), small pit of blu-tak**



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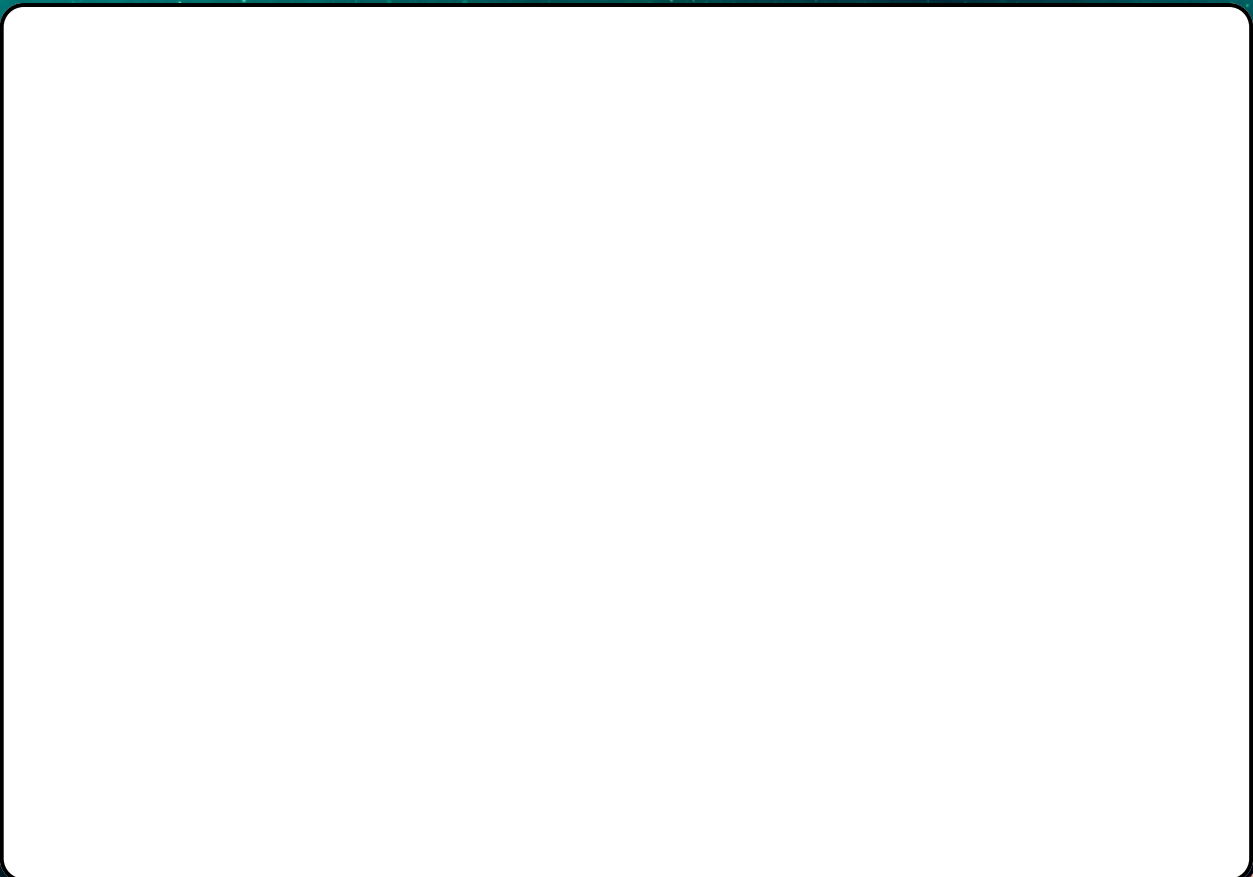
**Maths In Motion**

*The Ocean*

**Something to think about:**

**If we had no sun light, what else would we not have?**

**The twilight zone**



# Energy



## The Sun

Light waves are energy

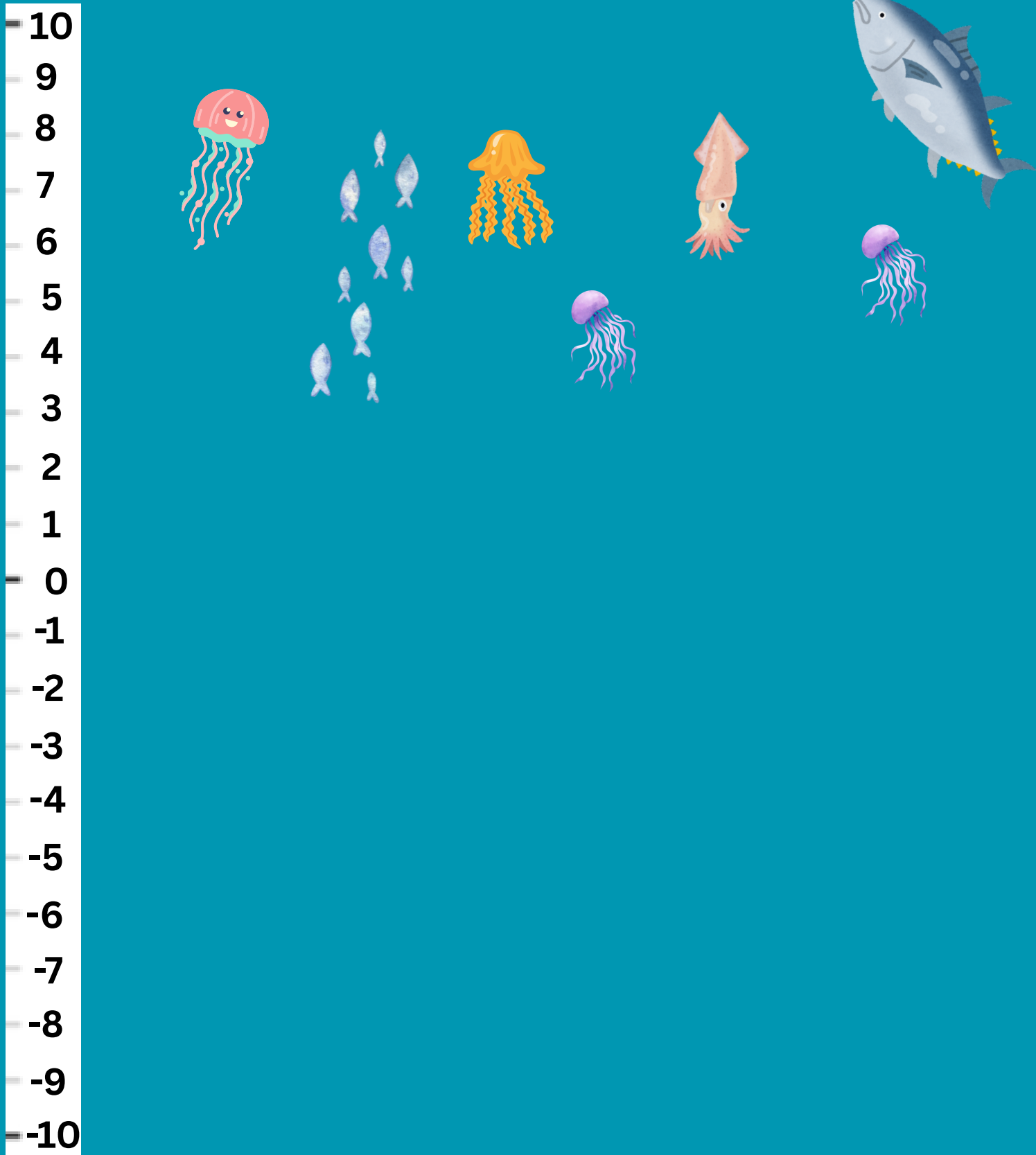


**What problems do you think that animals that live in the twilight zone might encounter?**



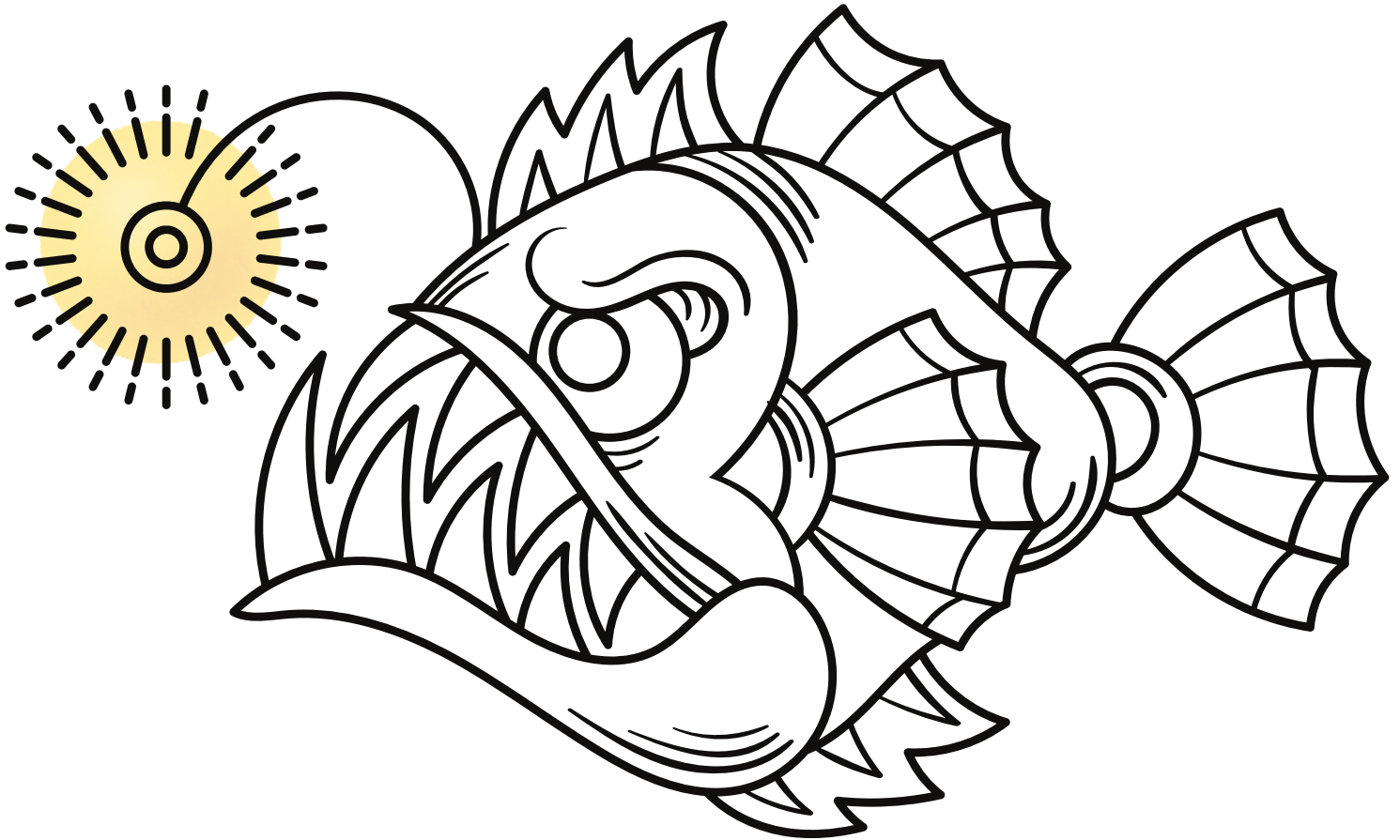
A large, empty rectangular box with rounded corners, intended for writing an answer to the question above.

# Mass migration



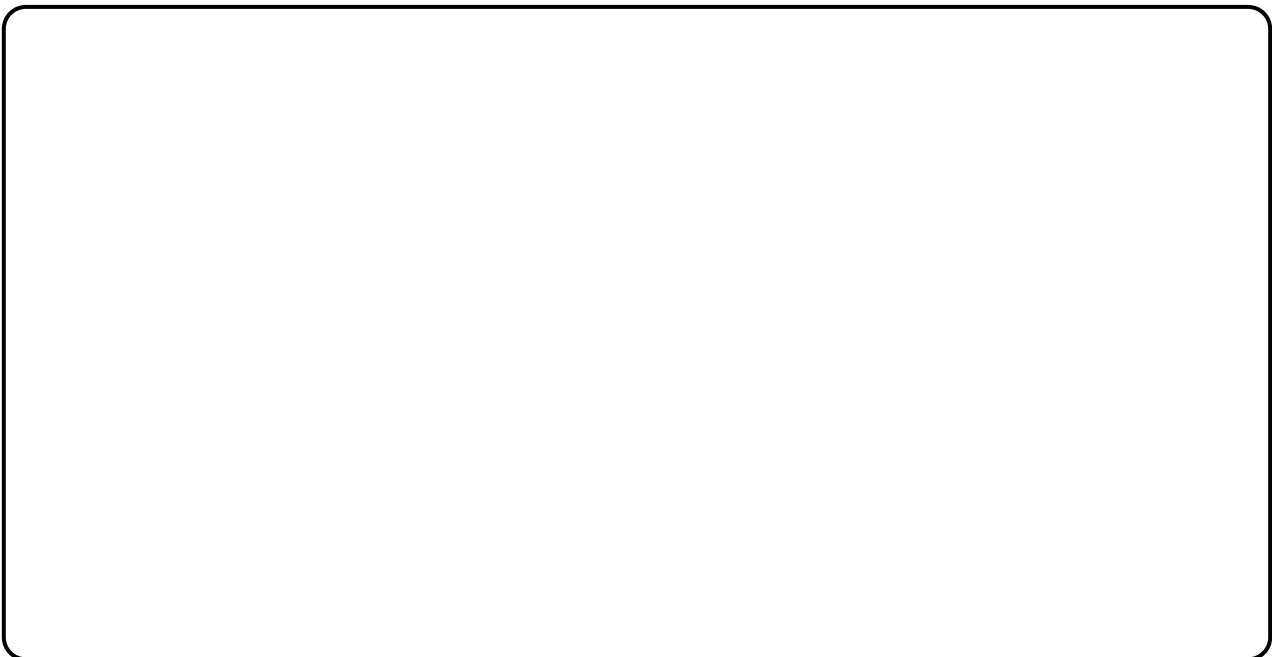
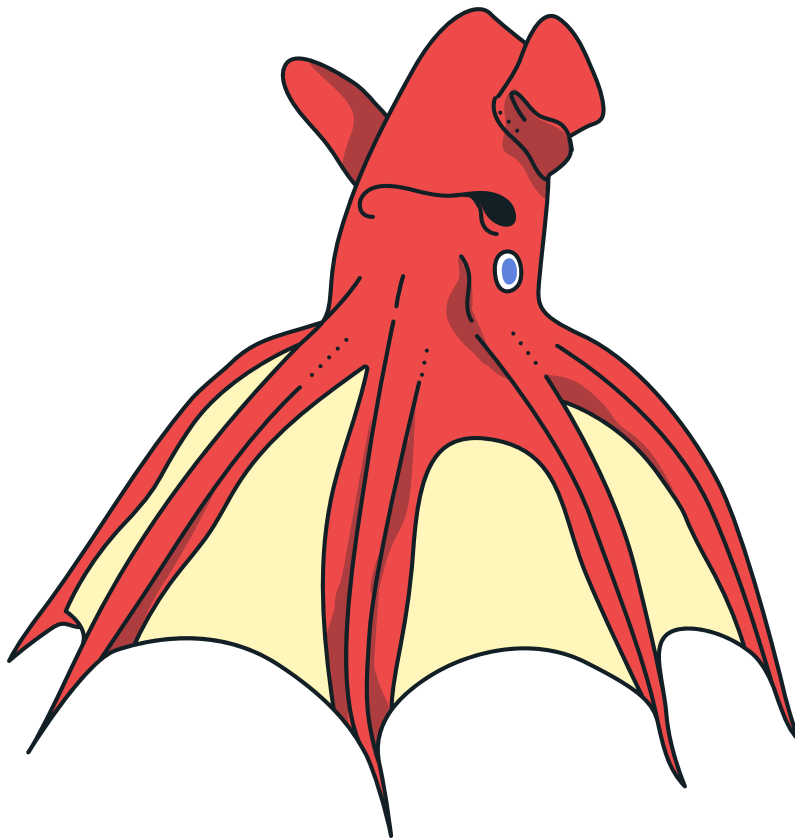
# Bioluminescence

Female Angler fish



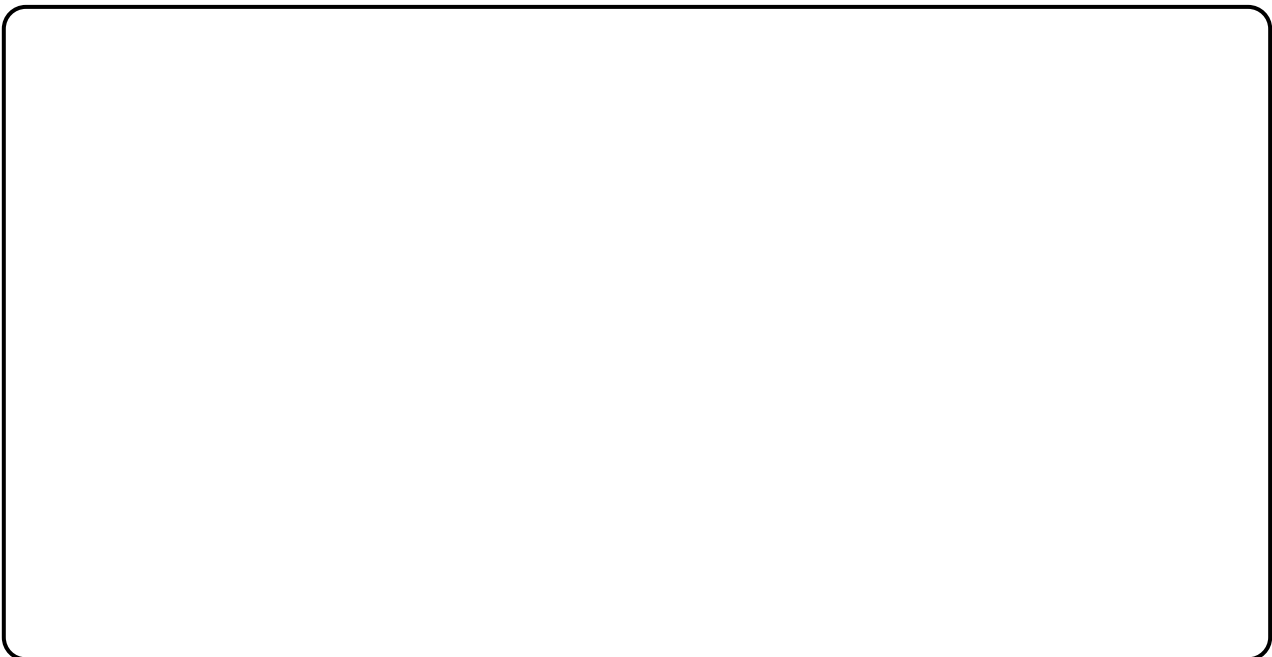
# Bioluminescence

## Vampire Squid



# Bioluminescence

## Atolla Jellyfish



# QUIZ

Q1

Q2

Q3

Q4

Q5

# Explore at home

Where in real life do you find negative numbers?

# Explore at home

Where in real life would you not find negative numbers?

# Explore at home

Try this little task on negative temperature:

Negative Vibes

**Negative number example!**

## Joyful maths bank statement

### Account information

Account holder name - Ruth Joyful

Account number - 786 954 000

Date - 22/04/2025

### Transactions

Wed, 23 <sup>rd</sup> April	-£53.60	Aldi
Tue, 22 <sup>nd</sup> April	+£1200	Bank giro
Wed, 16 <sup>th</sup> April	-£36.04	Beach cafe
Mon, 7 <sup>th</sup> April	-£12.50	Morrisons Fuel

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