

The journey of the langoustine

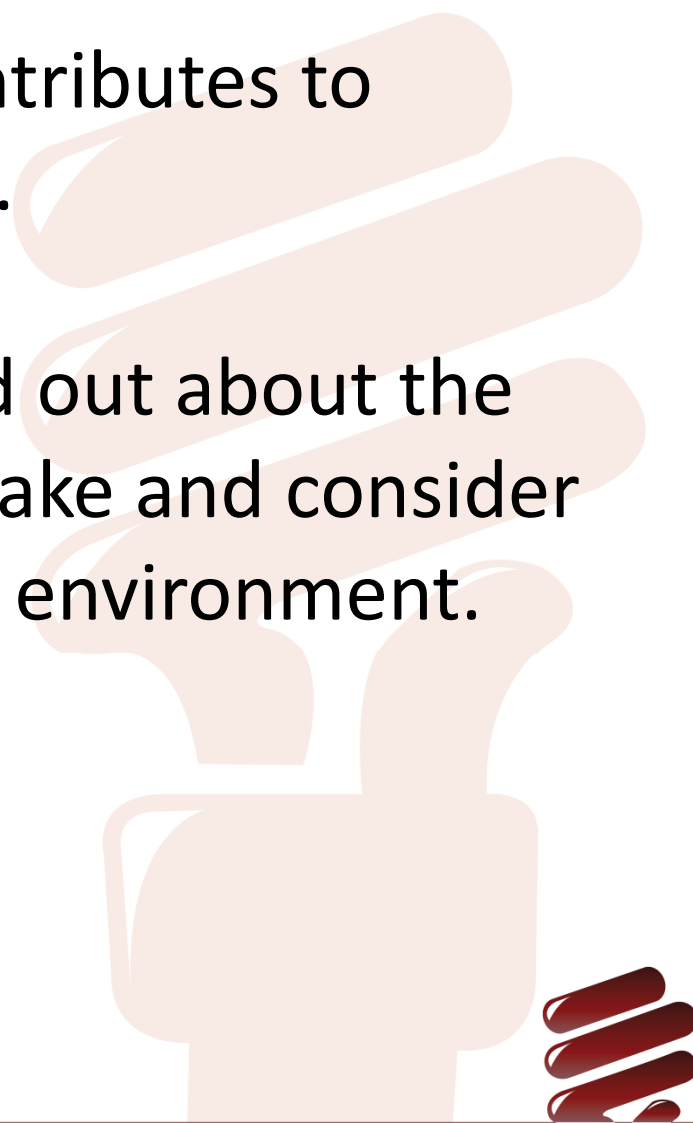


Do you ever wonder
where the food you eat comes from
or
the clothes you wear are made?

Look at a label on your clothes now

What we do every day contributes to greenhouse gas emissions.

In this session you will find out about the journey the langoustines take and consider the impact this has on the environment.



This session will take you on a journey from Scotland to Thailand and back again. You will visit the Suez Canal and the docks at Grimsby.

On the way you will:

- identify the importance of sustainable activities
 - explain supply chains
- and
- calculate the carbon footprint for langoustines
 - prepare a PESTLE analysis and present your ideas to the group

Introductory Activity

Dominoes

Activity 1

Find out the supply chain for langoustine

Research the length of the supply chain for the langoustine

Calculate the carbon footprint

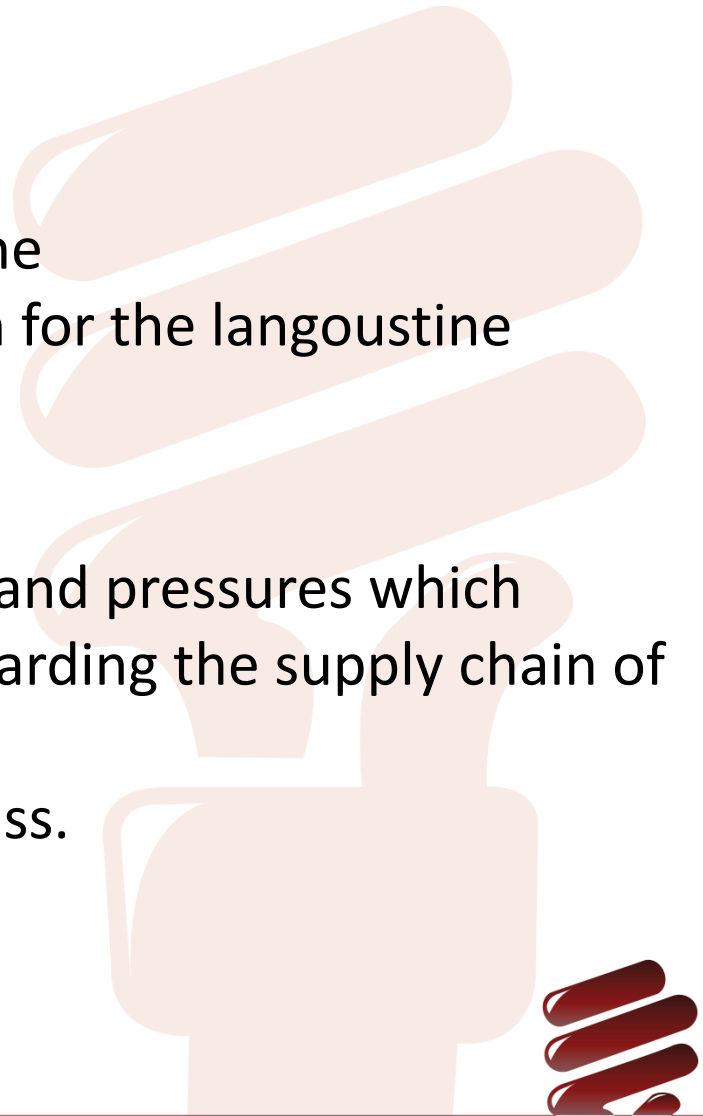
Activity 2

You must consider the external factors and pressures which could influence the decisions made regarding the supply chain of langoustine using PESTLE analysis.

You will present your findings to the class.

Activity 3

Guess the word/phrase



Introductory Activity - Sustainability Dominoes Guidance Notes

The sheet supplied can be used to make dominoes to use as a starter activity for the lesson. Depending on the level of learner, the number of words used can be reduced to simplify the activity. However, the key words are:

- Environment
- Sustainable development
- Carbon footprint
- Greenhouse gas
- Supply chain
- Shipment
- Fishery
- Langoustine
- PESTLE

The sheet could also be used as a matching activity, again, adjusting to level of group.

Activity 1 – Researching length of supply chain Guidance Notes

- Learners might find www.bing.com/maps useful for this activity. Typing ‘sea distances’ into the search engine will also generate sites useful for calculating sea distances.
- There is also a good introduction to the port of Laem Chabang at www.laemchabangport.com
- Approximate distances and carbon footprint (kg):

1. Stornaway – Ullapool	50 miles	2.02
2. Ullapool – Southampton Dock	241 miles	40.53
3. Southampton Dock – Laem Chabang nr Mueang Chon Buri, Thailand	8852 (nautical) miles	358.10
4. Laem Chabang – Sahaphat Group, Lamphun near Chiang Mia, Thailand	482 miles	81.06
5. Sahaphat Group – Laem Chabang	482 miles	81.06
6. Laem Chabang – Grimsby, UK	9132(nautical) miles	369.43
Total	19239	932.24

Activity 3 - Guess the Word/Phrase Guidance Notes

- Depending on group size, this could be carried out with whole group or by putting class into small groups. One of the group members, or with a partner, is given or can choose one of the words previously used in the starter activity.
- Ask the learner(s) to explain the words without using these in their explanation. They can draw pictures, mime and use the spoken word. The rest of the group need to work out the word or phrase they are explaining. The person with the correct answer goes next.