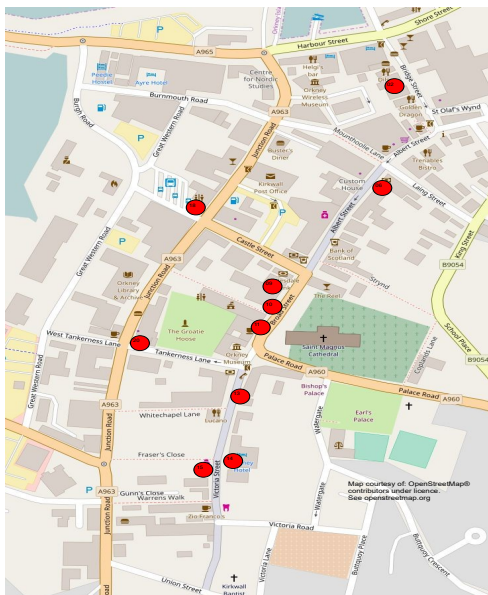


## Competition details

There are 10 different molecules to be found in businesses around Kirkwall - how many can you spot? Each molecule is associated with the type of business in which it is on display. To help you, we've given approximate locations (red circles) of the molecules on this map:



Map courtesy of: ©OpenStreetMap contributors under licence see [openstreetmap.org](http://openstreetmap.org)

## OISF Family Day Saturday 6 September 10am—4pm, at the Pickaquoy Centre

Come along and have a go at making your own molecule. There will be plenty to choose from including some of the molecules that make up the molecule hunt. You can have your picture taken with your chosen molecule.

For more information about events at the science festival see: [www.oisf.org](http://www.oisf.org)

## Win your own Molecules Model kit

The first correct entry out of the hat on 10 September will win a Molymod® molecule kit to allow you to build your own molecular models. This molecule kit was kindly donated by Philip Spiring of Molymod.

**Entry forms must be returned to Visit Scotland before noon on Wednesday 10 September.**

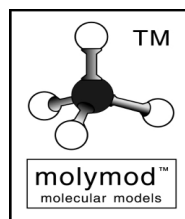
or by e-mail to [MoleculeHuntK@gmail.com](mailto:MoleculeHuntK@gmail.com)

## List of businesses taking part:

CLAN Cancer Support  
Cycle Orkney  
Judith Glue  
Kirkness & Gorie  
No 25  
Orcadian Bookshop  
Orkney Television  
Enterprize

Sutherland's  
Pharmacy  
The Orkney Hotel  
Visit Scotland  
Tourist Information  
Centre

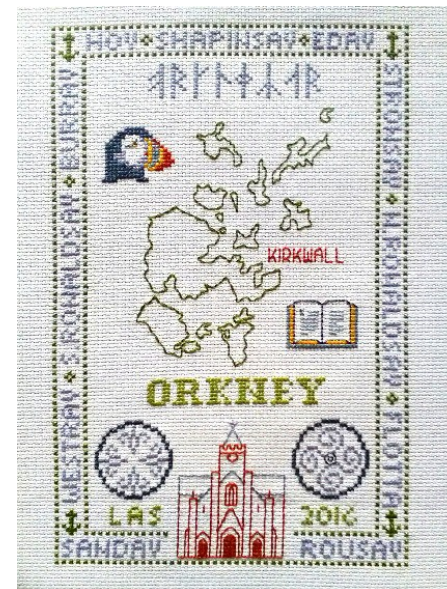
## Supported by the following sponsors:



## Kirkwall Molecule Hunt Competition

**4-10 September  
2025**

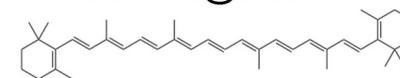
**in association with  
Orkney International  
Science Festival**



Cross stitch provided by Lorna Smith

Brought to you by:

**Science@Cwaben**



[science@cwaben.org.uk](mailto:science@cwaben.org.uk)

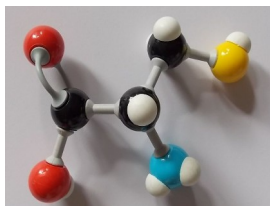
Tel: 07753 383754

## Can you find all of these molecules?

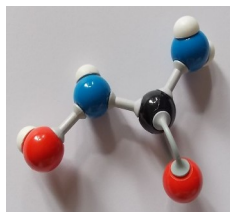
The businesses where they are located are listed overleaf.

## Answer Sheet

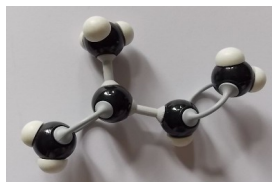
Give the location of each molecule:



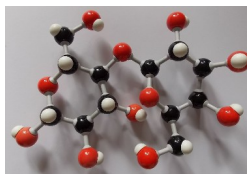
↑1 **Cysteine**  
An amino acid  
found in wool



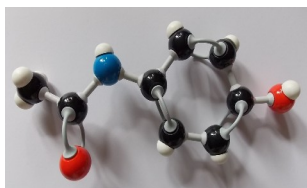
↑2 **Hydroxy Carbamide**  
Pharmaceutical  
used in cancer  
treatment



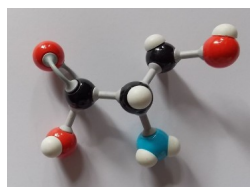
↑3 **Isoprene**  
The base unit of rubber



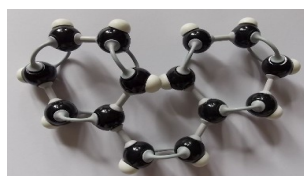
↑4 **Lactose**  
A sugar found in milk  
products



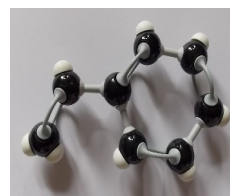
↑5 **Paracetamol**  
Pharmaceutical to  
reduce pain



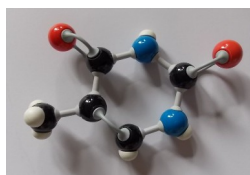
↑6 **Serine**  
Amino acid found in  
wool



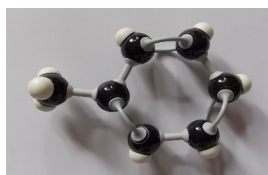
↑7 **Stilbene**  
Optical brightener for  
paper



↑8 **Styrene**  
A component of  
ABS plastic



↑9 **Thymine**  
Amino acid found in  
wool



↑10 **Toluene**  
Paint and varnish  
thinner

### KEY TO COLOURS OF ATOMS IN MOLECULES

- Black atoms = Carbon
- White atoms = Hydrogen
- Red atoms = Oxygen
- Blue atoms = Nitrogen
- Yellow atoms = Sulphur

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....
- 6.....
- 7.....
- 8.....
- 9.....
- 10.....

Please hand in your completed answer sheet to Visit Scotland before noon on Wednesday 10 September

Your name.....  
Address.....  
.....  
.....

Phone .....  
E-mail.....

Any comments about the molecule hunt?  
.....  
.....  
.....  
.....