



Let's Talk About The Flehmen Response.

**STEM Education worksheet provided by
Dundee Science Centre.**

These worksheets work in conjunction with our **Let's Talk About** video series that can be found on our Instagram @dundeesciencecentre.

They are designed to engage and educate on interesting science topics to support the curriculum for learners of all levels.



Did You Know?

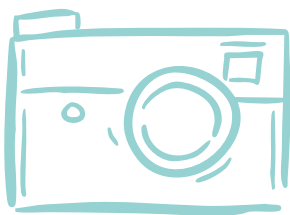
Pheromones

Animals have a lot of ways of communicating with each other; birds have their songs, chameleons change colour, and baboons hug and groom each other. But one unique way is through special smells called **pheromones**.

These pheromones can tell you who an animal is, where they live, how they are feeling, and more. Unfortunately, humans cannot smell pheromones!

Jacobsons Organ

Humans can't smell pheromones because they aren't smelled through the nose, but with a whole other organ called **Jacobson's Organ** (*Vomeronasal Organ VNO*), and our VNO shrank and stopped working millions of years ago!



If you see your pets or other animals making funny faces, they could be doing the Flehmen Response! Take a picture and **share it with us @dundeesciencecentre on Instagram!** We love to see it!



Word Search

Find the words related to the Flehmen Response below!

H	S	L	S	W	H	O	N	U	C	M	R	S	S
H	E	S	N	E	M	H	E	L	F	F	M	M	P
O	N	T	B	I	M	I	N	A	G	R	O	E	S
R	O	V	N	M	M	A	O	E	O	O	S	L	N
S	M	T	O	S	S	S	M	C	O	R	A	L	O
E	O	I	S	M	C	G	W	M	N	R	V	S	H
S	R	G	E	L	E	I	A	A	A	T	M	I	O
R	E	E	A	O	C	R	E	T	A	L	O	L	U
E	H	R	E	E	S	V	O	N	R	C	S	I	S
L	P	S	W	O	I	A	T	N	T	E	A	O	E
I	I	B	O	L	T	I	S	L	A	I	H	B	C
O	J	A	C	O	B	S	O	N	S	S	S	F	A
F	E	E	L	I	N	G	S	I	P	S	A	T	T
N	S	S	E	L	E	P	H	A	N	T	S	L	S

PHEROMONES

VOMERONASAL

HOUSECATS

WHO

JACOBSONS

ELEPHANTS

ORGAN

FEELINGS

TIGERS

MAMMALS

LIVE

SMELLS

FLEHMEN

HORSES

SCIENTISTS



Fill in the Blanks!

Using the answers from the wordsearch fill in the blanks in the statements below.

1. A lot of _____ create _____ that humans can't smell called _____.
2. Lots of different mammals can do this, from the striped _____ to the galloping _____.
3. When mammals are picking up these scents, they bare their teeth in something called the _____ response.
4. This response lets air get to a special _____ called the _____ organ.
5. _____ have a fancy name for this organ; they call it the _____ organ (VNO).
6. These scents let animals tell each other _____ they are, where they _____, and even about their _____.
7. Some animals do it a little differently, for example, _____ don't do the normal response because of their big trunks.
8. You might be able to see this at home because, pet _____ often do this!



Fill in the Blanks - Answers!

Take a look at the answers below, did you manage to get them right?

1. A lot of **MAMMALS** create **SMELLS** that humans can't smell called **PHEROMONES**.
2. Lots of different mammals can do this, from the striped **TIGER** to the galloping **HORSE**.
3. When mammals are picking up these scents, they bare their teeth in something called the **FLEHMEN** response.
4. This response lets air get to a special **ORGAN** called the **JACOBSONS** organ.
5. **SCIENTISTS** have a fancy name for this organ; they call it the **VOMERONASAL** organ (VNO).
6. These scents let animals tell each other **WHO** they are, where they **LIVE**, and even about their **FEELINGS**.
7. Some animals do it a little differently, for example, **ELEPHANTS** don't do the normal response because of their big trunks.
8. You might be able to see this at home because pet **HOUSECATS** often do this!