

Perlau mewn Perygl / Pearls in Peril

**Perlau yn y dosbarth /
Pearls in the classroom**

**Mae'r perlau hyn yn perthyn i /
These pearls of wisdom belong to :**

.....

Cwestiynau Misglod Perlog Dŵr Croyw / Freshwater pearl mussel questions

Gan ddefnyddio'r we neu drwy ddefnyddio'r perlau yn y taflenni ffeithiau yn yr ystafell ddosbarth, ymchwiliwch i rai o'r ffeithiau am fisglod perlog dŵr croyw ac atebwch y cwestiynau isod / Using the internet or the pearls in the classroom fact sheets, research some facts about freshwater pearl mussels and answer the questions below:

Ym mhle gellir dod o hyd i fisglod perl dŵr croyw? /
Where can freshwater pearl mussels be found?

Ym mha wlad mae dros hanner poblogaethau magu misglod perlog dŵr croyw y byd yn byw? /
Which country has over half of the world's breeding populations of freshwater pearl mussels?

Hyd at ba oedran y gall fisglod fyw? /
What age can these animals live to?

Mae misglod yn greaduriaid di-asgwrn cefn. Beth yw'r enw ar y grŵp hwn o anifeiliaid? / Mussels don't have back bones. What is the name for the group of animals that don't have back bones?

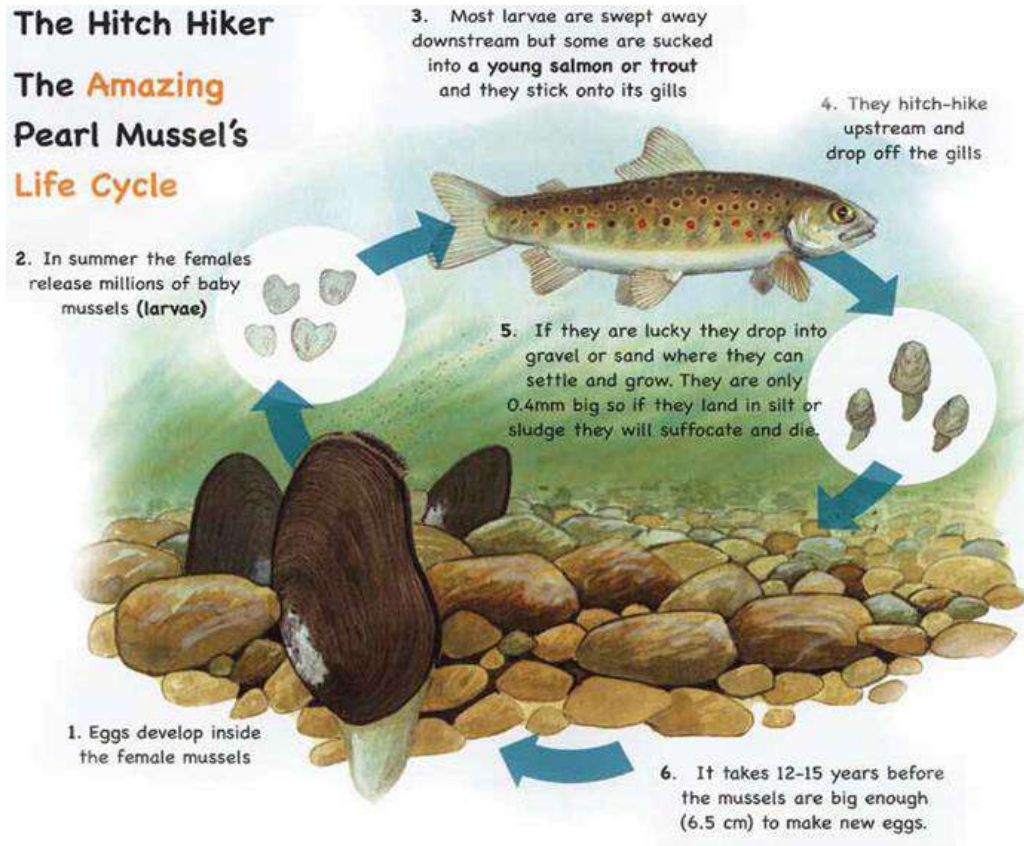
Nodwch ddau reswm pam y mae lleihad ym mhoblogaethau misglod perlog dŵr croyw? / Give 2 reasons why the world's freshwater pearl mussel population is in decline.

Gwaith Ymchwil / Research Work

Gan gymryd nodiadau, darganfyddwch wybodaeth am y pynciau canlynol ynglŷn â misglod perlog dŵr croyw: / Using what you know about note-taking, find out what you can about the following freshwater pearl mussel topics:

Iŵl Cesar / Julius Cesar	Tlysau'r Goron / Crown Jewels
Pysgota Perlau / Pearl Fishing	Perl mwyaf yr Alban / Scotland's Biggest Pearl

Cylch bywyd misglod perlog dŵr croyw / Lifecycle of the freshwater pearl mussel



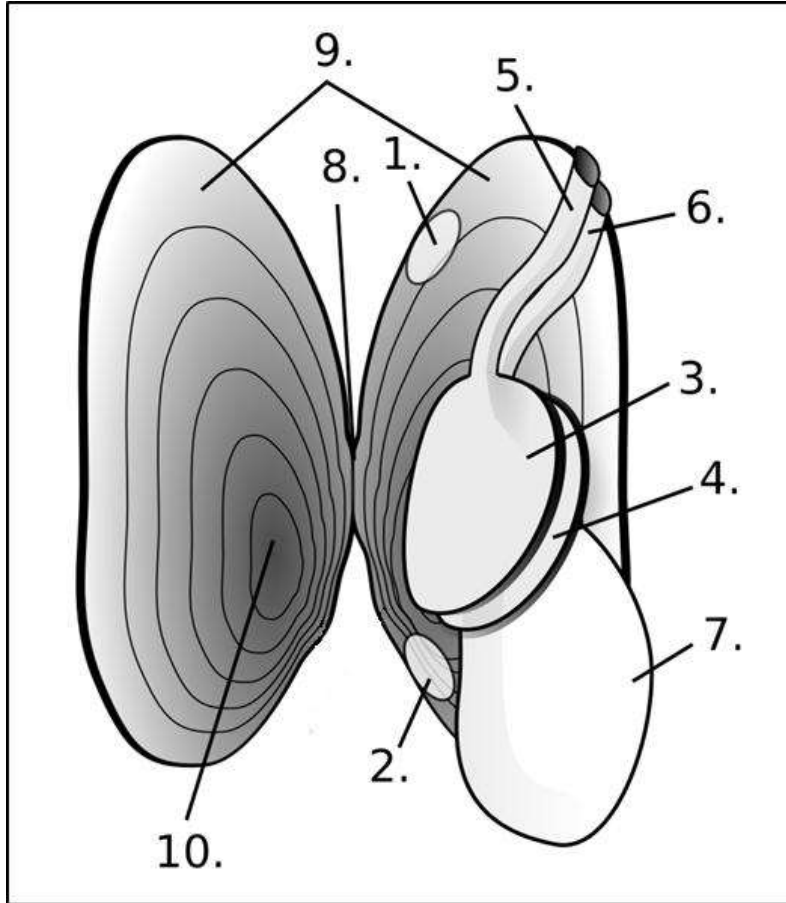
Beth yw'r enw arall ar larfau misglod? / What other name are the mussel larvae known by?

Sut mae larfau yn glynu at dagellau pysgod? / How do the larvae stick to the gills of the fish?

Faint o siawns sydd gan larfau o gwrdd â physgodyn addas? / What are the chances of a larvae meeting a suitable fish?

Am sawl mis mae larfau yn aros ar bysgodyn lletyol? / How long do the mussel larvae stay on the host fish?

**Labelwch rannau corff y fisglen berlog dŵr croyw/
Name the parts of the freshwater pearl mussel**



©Kim Lindgren

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

Yr ecosystem afonol / The river ecosystem

Beth yw ecosystem? / What is an ecosystem is?

Dyma restr o bethau y gallech ddod o hyd iddynt mewn ecosystem afonol.

Ar gyfer pob un nodwch:

- Pa un ai yw'n **fyw** neu'n **anfyw**

Os yw'n **fyw** nodwch

- beth mae'n ei fwyta?
- beth sy'n ei fwyta?
- Ym mha amodau amgylcheddol y mae'n hoffi byw?
-

Os yw'n **anfyw** nodwch

- pwy sy'n hoffi byw yno a pham?

Here is a list of things you might find in a river ecosystem. For each one, say :

- whether it is **living** or **non-living**.

For the **living** things, find out

- what do they eat?
- what eats them?
- what environmental conditions do they like to live in?

For the **non-living** things,

- find out who likes to live there and why?



1. Eogiaid a Brithyll Ifanc / Juvenile salmon and trout

©Scottish Governme



2. Larfâu Pryfed / Insect larvae

@SNH



3. Graean a thywod / Sand and gravel

©E. Peter Steenstra/U. S. Fish and Wildlife Service



4. Misglod Perlog Dŵr Croyw Ifanc / Juvenile Freshwater pearl mussel

©Lorna Wilkie/PIP



5. Eog a Brithyll aeddfed / Adult Salmon and Trout

©Guardian



6. Dŵr Clae'r Clir / Cool Clean Water

©Leonora Enking



7. Coed / Trees

©Pearlsinperil



8. Misglod Perlog Dŵr Croyw Aeddfed / Adult Freshwater Pearl mussels.

©Jackie Webley/PIP.



9. Cerrig a Chlogfeini / Rocks and Boulders

SNH



10. Llif dŵr cyson a dyfnder / Steady water flow and depth

©Highland Biodiversity/SNH

Chwilair - Anodd

Cymuned	Cynefin	Perl
Gemwaith	Misglen	Larfa
Coron	Prin	Graean
Ecosystem	Afon	Infertebrat
Wyau	Brithyll	Glochidia
Hidlo	Eog	Rhywogaeth
Dŵr Croyw	Cragen	Tagell

A	W	I	L	R	G	R	A	E	A	N	R	A	T	C
W	Y	F	C	S	H	I	J	L	D	B	W	H	O	Y
M	A	F	E	N	D	S	H	I	D	L	O	F	A	N
C	U	G	W	H	L	J	S	W	M	E	N	G	S	E
G	L	O	C	H	I	D	I	A	L	P	O	M	C	F
Y	H	O	T	L	D	B	R	I	T	H	Y	L	L	I
U	D	W	E	U	D	E	R	B	N	A	M	A	G	N
A	B	D	Ŵ	R	C	R	O	Y	W	S	G	E	H	Y
C	Y	M	U	N	E	D	P	A	B	Y	O	E	M	O
L	M	H	F	D	L	E	S	H	D	G	M	I	L	Z
P	E	R	L	T	H	F	B	C	S	J	L	P	O	L
R	T	G	W	Y	H	W	A	O	C	N	P	M	H	I
I	N	F	E	R	T	E	B	R	A	T	I	U	I	D
N	W	A	H	D	F	L	L	O	D	S	E	M	L	O
K	E	R	O	W	S	B	A	N	G	L	C	N	O	L
B	C	R	A	G	E	N	H	L	T	E	Y	F	U	A
B	E	A	J	F	A	G	E	M	W	A	I	T	H	R
I	H	L	O	G	H	N	H	P	G	O	F	H	B	F
H	F	R	H	Y	W	O	G	A	E	T	H	O	H	A
J	R	W	F	H	I	L	K	N	A	P	O	Ŵ	N	E
E	C	O	S	Y	S	T	E	M	P	M	T	D	S	G

Wordsearch

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

Atlantic salmon

Button

Eggs

Filter

Freshwater

Gills

Gravel

Invertebrate

Mollusc

Pearl Mussels

Protected

River

Sea Trout

Shell

Stream

GWEITHGAREDD - anagramau

Aildrefnwch y llythrennau i greu gair sy'n ymwneud â'r fisglen berlog dŵr croyw. Mae'r lluniau yn rhoi cliwiau i chi. / Rearrange the letters into words about freshwater pearl mussels. The pictures are clues to what the words are.



ERLP / EARLP



FAON / IREVR



GEO / SMAOLN



GMSLNEI / MSUELS