



Activity Sheets





OCTOPUS WORD SEARCH

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

ARMS
DEN
SUCKERS

CRABS
OCTOPUS
CLAMS

OCEAN
CAMOUFLAGE
MOLLUSC

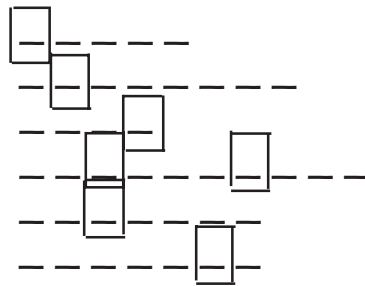
BEAK
HUNTING
SWIMMING



Word Scramble

Unscramble the words below to spell words related to octopuses. Then take the letters in the boxes and spell the name of the group of animals that octopuses belong to.

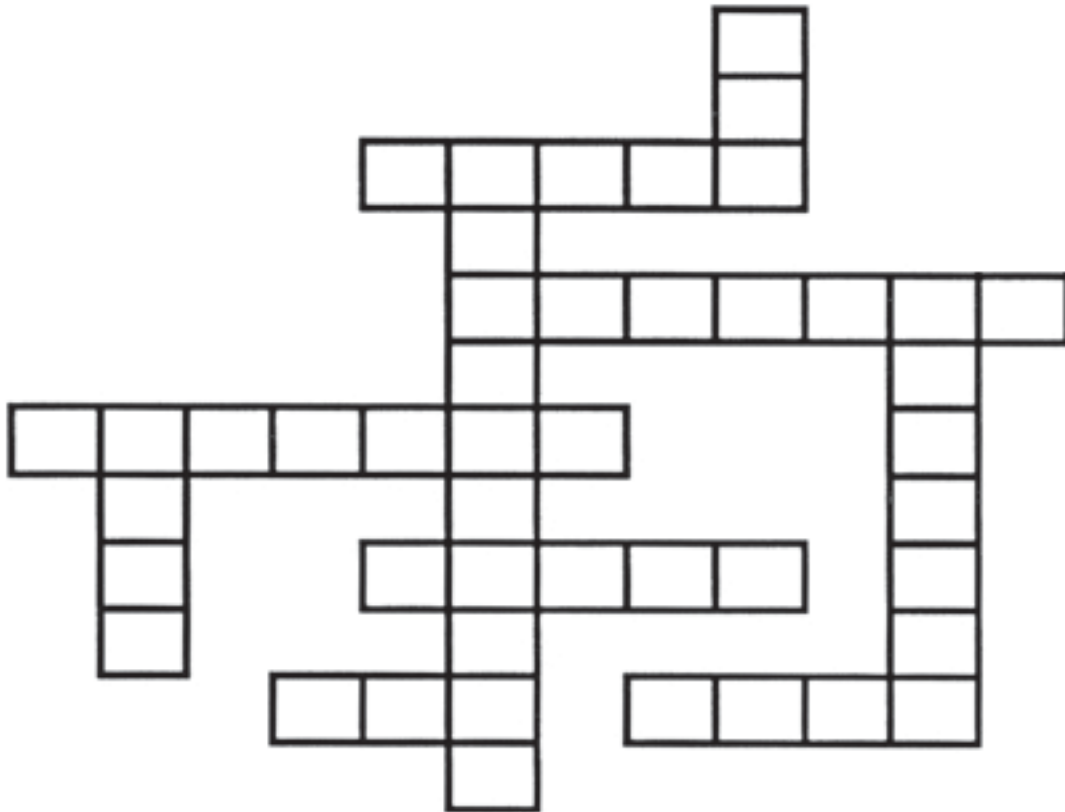
caneo
tonplank
gegs
oflagecamu
rekuscs
toocpus



Hidden word - _ _ _ _ _



CRISS CROSS PUZZLE



3 Letter Words

Den

Egg

4 Letter Words

Arms

Crab

5 Letter Words

Clams

Ocean

7 Letter Words

Mollusc

Octopus

Suckers

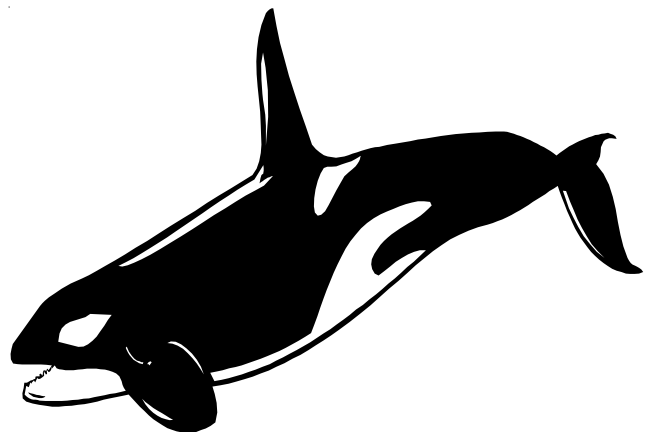
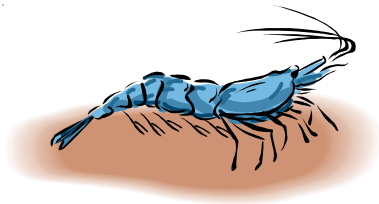
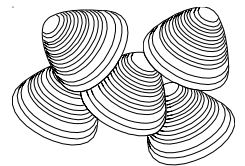
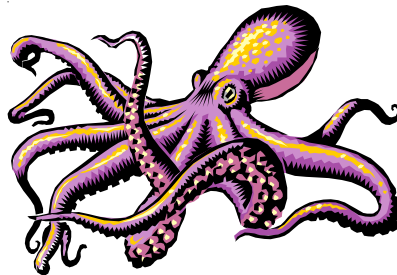
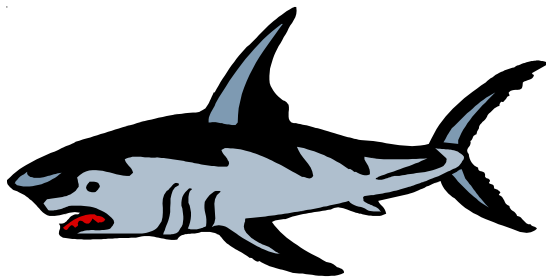
10 Letter Words

Camouflage



Who Eats Who

Draw a line from each animal to the animals it eats. Do you think a crab could ever eat a seal or a shark?





Classification

One of the tools biologists use to identify a plant or animal is the dichotomous key. These keys give the identifier a choice of (usually) two options such as "animal has 6 legs or animal has 8 legs" or "is it bigger than a bread box or smaller than a bread box?" By answering a series of questions in a key written by specialists, biologists can identify an organism they are not familiar with.

Taxonomic Key for Clothes

Pretend you are from the planet *Gazornenplat* and have arrived on Earth as part of a team to study humans. One member of your team has studied human clothing and has written a key to identify the pieces of clothing that you see people wearing. You need to write a report on the clothes you have seen. Use the key to find out what they are called.

Pick an article of clothing from the pictures below. Starting at the first choice, choose one of the options (1a or 1b) that best describes the piece of clothing you chose. Then go to the number beside that choice and do the same until you come to a name. If you have answered all the questions correctly you should arrive at the right name for your article of clothing. Since you are from a far away planet they may have to look at some of the humans in the room to answer the questions.

ASK THE "EXPERT" - The Giant Pacific Octopus



1(a) These are worn on your feet

1(b) Not worn on your feet.

go to 2

go to 3

2(a) Soft and flexible worn next to your skin

2(b) With a hard bottom, outer footwear

socks

shoes

3(a) Worn on the head

3(b) Not worn on the head

hat

go to 4

4(a) worn on the lower part of the body covers all or part of the legs

4(b) worn on upper part of the body

go to 5

go to 6

5(a) covers all of the legs

5(b) covers only upper part of the leg

pants

shorts

6(a) short or long sleeves, usually light material worn close to skin

6(b) made of heavy material, worn over shirts

shirt

go to 7

7(a) long sleeves

7(b) sleeves short or absent

coat

vest



Create Your Own Identification Key

Using the format of the key for clothes create a key to separate the following animals.

Dog	Earthworm
Bird	Fish
Starfish	Insect
Spider	Octopus

Create your key by answering an either/or statement like:

1(a) Animal doesn't have legs	Go to	2
or		
1(b) Animal has legs (or arms)	Go to	3

Make a list of things that the animals have in common and things that are different. Use these things in your key to separate the animals from each other.

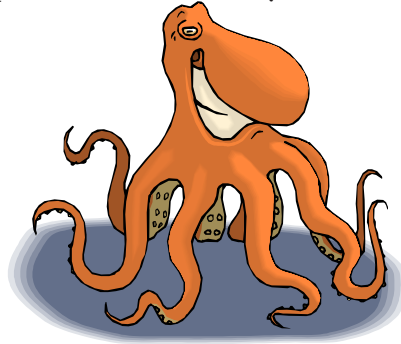
Example of things that could be included are: Does it have legs? How many legs? Does it live in the water? Does it have hair? Feathers?

For example only one animal on the list has feathers.



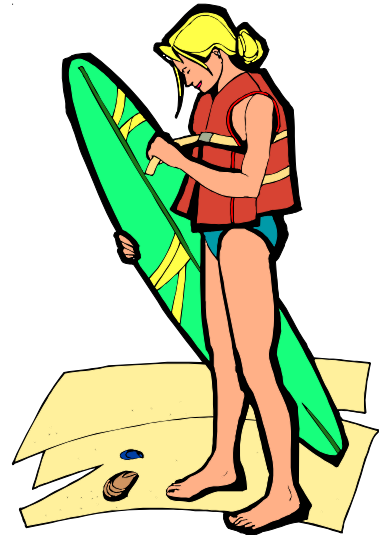
How Fast Does an Octopus Grow?

Octopuses grow much faster than people. An octopus weighs 0.029 grams when it is born and can weigh as much as 272 kilograms when it reaches adult size at three years old.



If an octopus weighs 0.03 grams when it hatches and weighs 50 kg when full grown what would be the average weight gain per month if the octopus reached its full weight at 3 years old? _____ kg .

The octopus would gain _____ kg per day.



If a girl was 3 kg when she was born and 14 kg when she was three years old, what is the average weight gain per month? _____ kg. Compare this with the monthly weight gain of a three year old octopus.

If the girl was 50 kg at age 18 she would have gained an average of _____ kg or _____ grams per month.

Compare the rate of growth of the octopus with the girl. How many times faster is the octopus gaining weight each month?



Risky Business

Female octopuses can lay over 50,000 eggs. Very few of these will live to be adults. Draw a picture of octopus eggs hanging from the roof of a den. Around the den draw some of the predators you think might eat them.

Can you think of other reasons why the eggs might not hatch?



COLOUR THE OCTOPUS

