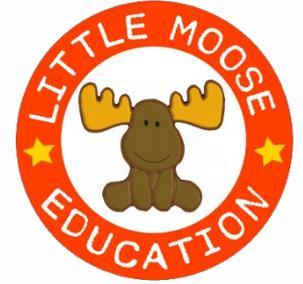
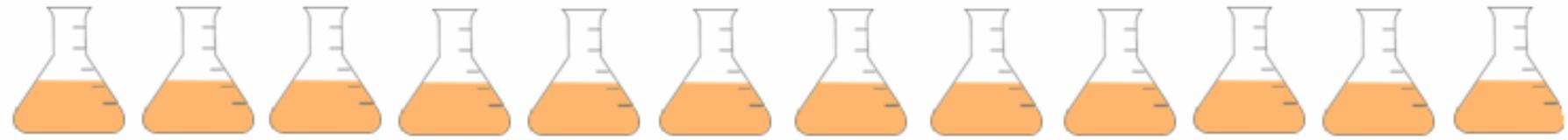
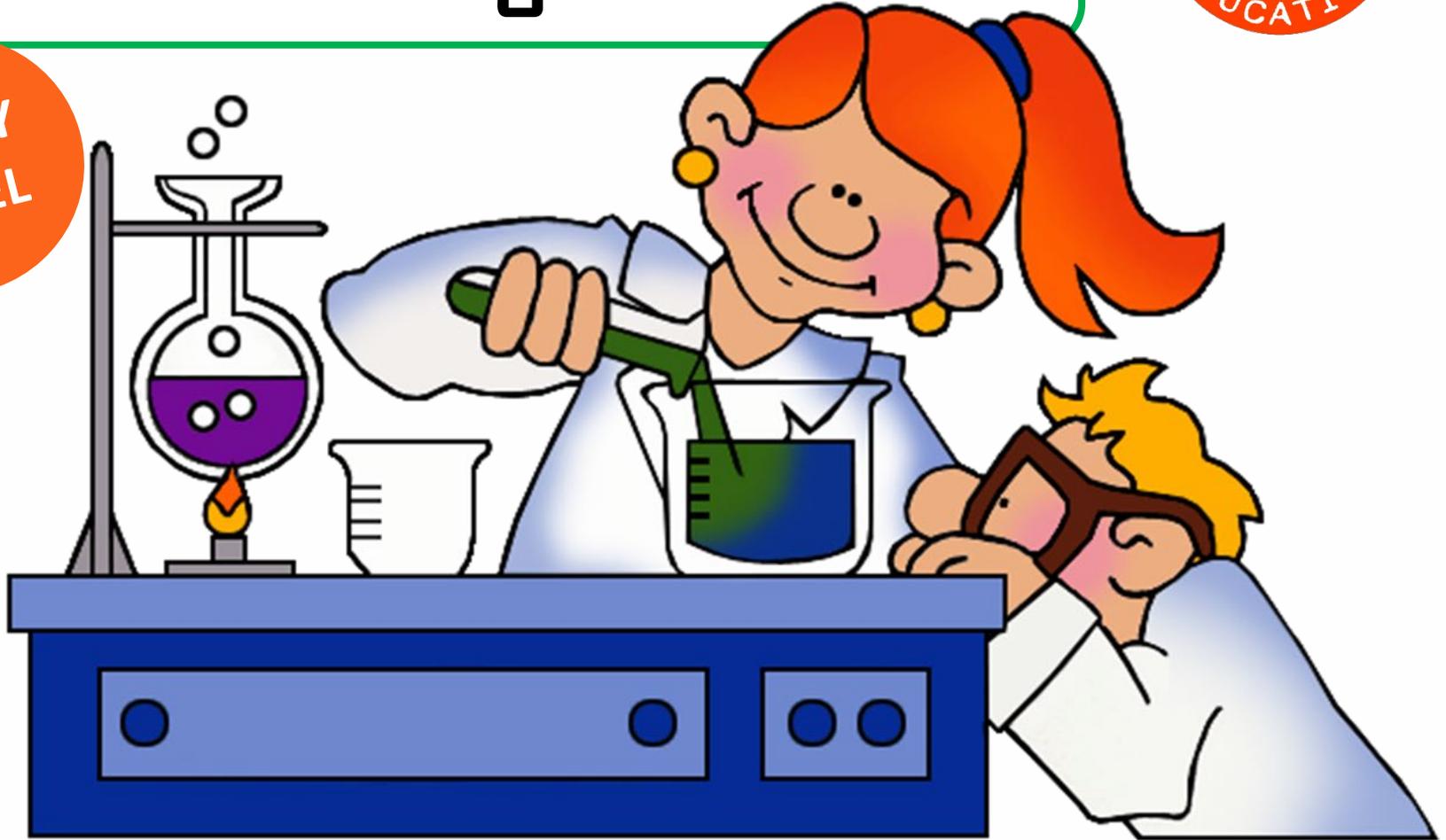


Introducing Science



EARLY
LEVEL



CONTENTS

Outcomes

PACE Planner

<u>PART ONE</u>	Animals
<u>PART TWO</u>	Plants
<u>PART THREE</u>	Energy
<u>PART FOUR</u>	Water
<u>PART FIVE</u>	Space
<u>PART SIX</u>	Forces
<u>PART SEVEN</u>	Electricity
<u>PART EIGHT</u>	Sound
<u>PART NINE</u>	Senses
<u>PART TEN</u>	Materials

BLURB

Let's learn about science! Cover ten distinct areas of science with this pack - from senses to sound and electricity to energy. Each section has handwriting, matching, sorting and drawing tasks. Complete the scientific experience by carrying out an experiment. Ideal for all the budding scientists in the class.

FIND US ON SOCIAL MEDIA



OUTCOMES

TOPIC OR THEME	LEVEL	CURRICULUM AREA	TEACHERS
INTRODUCING SCIENCE	Early	Science	

CURRICULUM FOR EXCELLENCE OUTCOMES

ART AND DESIGN

I have the freedom to discover and choose ways to create images and objects using a variety of materials.

EXA 0-02a

I can create a range of visual information through observing and recording from my experiences across the curriculum.

EXA 0-04a

Working on my own and with others, I use my curiosity and imagination to solve design problems.

EXA 0-06a

HEALTH AND WELLBEING

I make full use of and value the opportunities I am given to improve and manage my learning and, in turn, I can help to encourage learning and confidence in others.

HWB 0-11a



HEALTH AND WELLBEING

I value the opportunities I am given to make friends and be part of a group in a range of situations.

HWB 0-14a

I am developing my understanding of the human body and can use this knowledge to maintain and improve my wellbeing and health.

HWB 0-15a

I am learning to assess and manage risk, to protect myself and others, and to reduce the potential for harm when possible.

HWB 0-16a

In everyday activity and play, I explore and make choices to develop my learning and interests. I am encouraged to use and share my experiences.

HWB 0-19a

I recognise that we have similarities and differences but are all unique.

HWB 0-47a

I am aware of my growing body and I am learning the correct names for its different parts and how they work.

HWB 0-47b

LITERACY

As I listen and talk in different situations, I am learning to take turns and am developing my awareness of when to talk and when to listen.

LIT 0-02a



LITERACY

I listen or watch for useful or interesting information and I use this to make choices or learn new things.

LIT 0-04a

As I listen and take part in conversations and discussions, I discover new words and phrases which I use to help me express my ideas, thoughts and feelings.

LIT 0-10a

I use signs, books or other texts to find useful or interesting information and I use this to plan, make choices or learn new things.

LIT 0-14a

As I play and learn, I enjoy exploring interesting materials for writing and different ways of recording my experiences and feelings, ideas and information.

LIT 0-21b

Within real and imaginary situations, I share experiences and feelings, ideas and information in a way that communicates my message.

LIT 0-26a

SCIENCE

I have observed living things in the environment over time and am becoming aware of how they depend on each other.

SCN 0-01a



SCIENCE

I have helped to grow plants and can name their basic parts. I can talk about how they grow and what I need to do to look after them.

SCN 0-03a

I have experienced, used and described a wide range of toys and common appliances. I can say 'what makes it go' and say what they do when they work.

SCN 0-04a

By investigating how water can change from one form to another, I can relate my findings to everyday experiences.

SCN 0-05a

I have experienced the wonder of looking at the vastness of the sky, and can recognise the sun, moon and stars and link them to daily patterns of life.

SCN 0-06a

Through everyday experiences and play with a variety of toys and other objects, I can recognise simple types of forces and describe their effects.

SCN 0-07a

I know how to stay safe when using electricity. I have helped to make a display to show the importance of electricity in our daily lives.

SCN 0-09a

Through play, I have explored a variety of ways of making sounds.

SCN 0-11a



SCIENCE

I can identify my senses and use them to explore the world around me.

SCN 0-12a

Through creative play, I explore different materials and can share my reasoning for selecting materials for different purposes.

SCN 0-15a

I can talk about science stories to develop my understanding of science and the world around me.

SCN 0-20a

TECHNOLOGIES

I enjoy exploring and using technologies to communicate with others within and beyond my place of learning.

TCH 0-04a

I enjoy taking photographs or recording sound and images to represent my experiences and the world around me.

TCH 0-04b

Within real and imaginary settings, I am developing my practical skills as I select and work with a range of materials, tools and software.

TCH 0-12a

Through discovery, natural curiosity and imagination, I explore ways to construct models or solve problems.

TCH 0-14a



PURPOSE	ACTIVITIES	CRITERIA	EVIDENCE
<ul style="list-style-type: none"> • I am finding out about different areas of science. • I am learning about animals. • I am learning about plants. • I am learning about energy. • I am learning about water. • I am learning about space. • I am learning about forces. • I am learning about electricity. • I am learning about sound. • I am learning about my senses. • I am learning about materials. • I am participating in a discussion with my classmates. • I am learning to sort and match. • I am using art to enhance my learning. • I am learning about scientific experiments. • I am learning new scientific words. 	<ol style="list-style-type: none"> 1. Complete a handwriting worksheet for each section of the pack. 2. Write words associated with each area of science. 3. Complete a sorting activity for each section of the pack. 4. Complete a matching activity for each section of the pack. 5. Draw a picture of something associated with each area of science. 6. Complete an experiment, investigation or design task for each section of the pack. 7. Complete assessment tasks for each section. 	<ul style="list-style-type: none"> • I can differentiate between various areas of science. • I can explain animals in our world. • I can explain how plants grow. • I can describe different types of energy. • I can describe where water comes from. • I can explain how the sun, moon and stars impact life on earth. • I can give examples of forces. • I can talk about electricity and explain how we use it. • I can describe how sound travels. • I can explain all of my traditional senses. • I can identify different types of materials and their uses. • I can explain why scientists carry out experiments. • I can say and spell new scientific words. 	<p>MAKE Draw a picture associated with each area of science.</p> <p>SAY Participate in discussions about all aspects of this pack. Talk about and analyse results of experiments.</p> <p>DO Carry out experiments, investigations or design tasks. Carry out matching activities.</p> <p>WRITE Complete handwriting worksheets.</p>



PART ONE

Animals



Animals

TEACHER'S NOTES

In this section we are going to find out about animals. We will find out what animals look like, where they live, how they move and what they eat.

WHAT IS AN ANIMAL?
An animal is a living thing. An animal needs food and water to grow and survive.

WHERE ANIMALS LIVE
Some animals live on land and others can only survive in water. Some animals live on land and in water. Wild animals build their own home like a den or a nest. Pets might have a comfy bed and farm animals might live in a barn.

LIVING
Animals are living things. They need air, water and food to survive.

fish	birds
pets	insects

NON-LIVING
Non-living things do not need water, food, air or sunlight.

plastic	soil
sand	metal

ONCE LIVING
Once alive things can include extinct animals or items made from plants.

dinosaurs	
wood	paper

ANIMAL APPEARANCE
Animals come in all shapes and sizes. Some have fur, some have scales and some have feathers. Some animals are very big like a blue whale and some are very small like an ant. Some animals have four legs and others have two. Some have wings and some have fins.

DID YOU KNOW?
There are around 1.5 million animal species living in the world today.

How animals move depends on the species. These are some of the movements animals can make.

run	jump	swim
fly	walk	dive

WHAT ANIMALS EAT
Animals depend on plants and other animals for food. The type and amount of food needed varies for each species.

Listen to the nursery rhyme *There was an Old Lady*. This can help with understanding of relative size of animals and a rudimentary food chain.



PETS

Pets are animals that live with us in our homes. We are responsible for feeding them and caring for them.

These are some animals you might keep as a pet.

dog

cat

goldfish

hamster

guinea pig

gerbil

budgie

FARM ANIMALS

Animals that live on a farm are used for food, raw materials and work. We get milk, eggs, meat and wool from farms.

These are some animals you might find on a farm.

cow

sheep

chicken

goose

horse

donkey

pig

goat

GARDEN ANIMALS

These animals find food and make their home in the garden. You might spot some in your garden or local area.

These are some animals you might find in the garden.

spider

worm

ladybird

beetle

ant

snail

butterfly

birds

ZOO ANIMALS

These animals are kept in captivity for us to see and to protect their species. They are often wild animals.

These are some animals you might find in the zoo.

tiger

zebra

elephant

panda

lion

giraffe

monkey

bear

You might not see these animals very often. Some only come out at night and some live in the water! Visit the [Scottish Wildlife Trust website](#) to find out more.

These animals live wild in the British landscape.

badger

hedgehog

squirrel

birds

fox

rabbit

frog

bat

fish

deer



ACTIVITY 1

Cows, pigs and sheep live on a farm.

Some animals fly and others swim.

Some animals are covered in fur.

An elephant is a very big animal.

Dogs, cats and hamsters are all pets.

animal

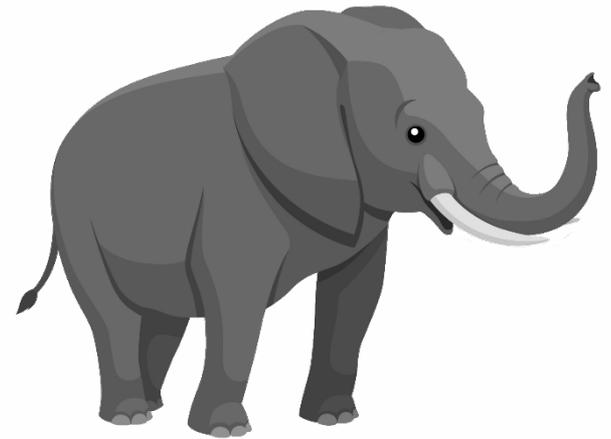
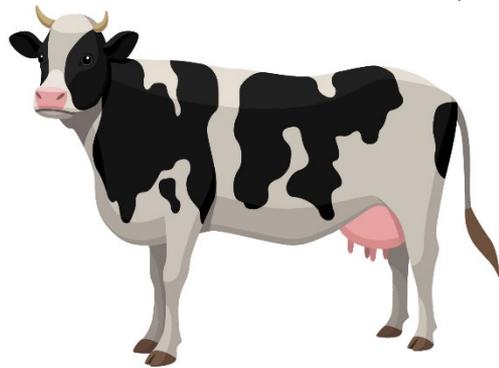
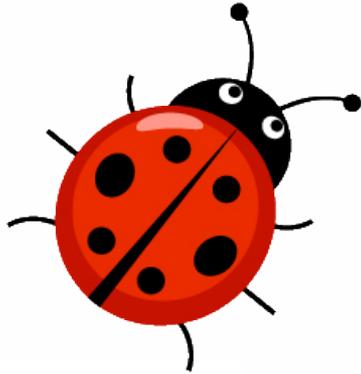
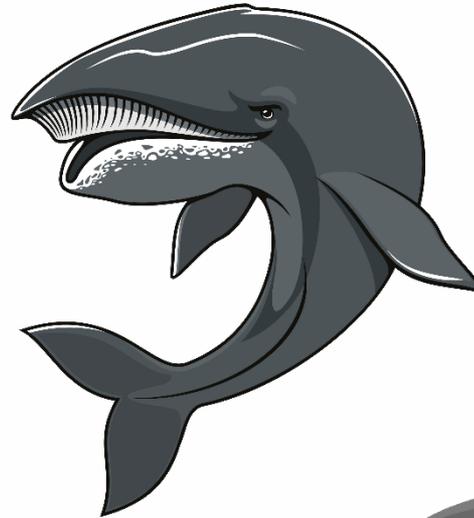
zoo

wildlife



ACTIVITY 2

1. Cut out the animals.
2. Sort the items into SMALL ANIMALS and BIG ANIMALS.
3. Think about the size of the animal in real life.



ACTIVITY 3

Cut out and match the picture, fact and word.

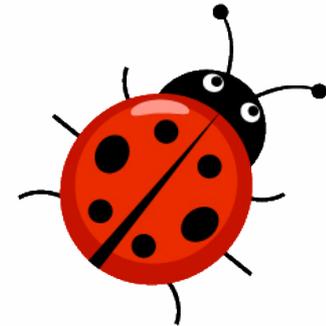
ZEBRA

I am an insect you might see in the garden. I can fly and crawl. I am red with black spots.



FOX

I am an animal you might see in the zoo. I have black and white stripes, four legs and a tail.



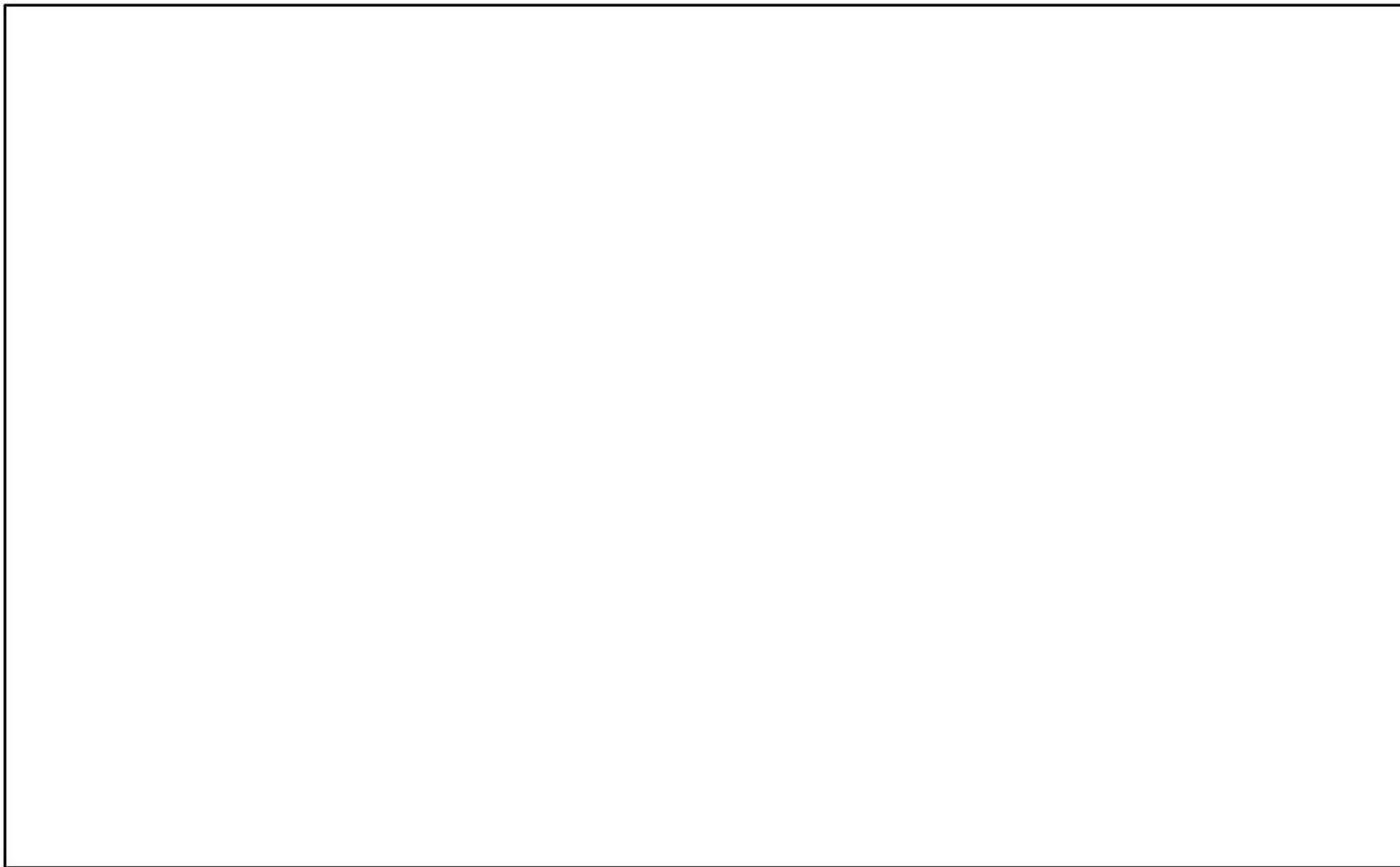
LADYBIRD

I am a wild animal found in Scotland. I have orange fur. I often come out at night. I can run fast.



ACTIVITY 4

Draw a picture of a garden. Label any animals that live there.



ANIMAL GROUPS

There are millions of animals all over the world. Scientists put animals into groups so they can keep track of them. Can you sort some animals into groups?

INSTRUCTIONS

1. Get into pairs.
2. Find pictures of the animals.
3. Decide whether the animal has fur, feathers or skin.
4. Write the correct animals in the correct table.
5. Draw a picture of one of the animals
6. Report back to the class.
7. Tweet us @LittleMooseEd

Find pictures of these animals on the internet.

chicken	tiger	rhinoceros	hamster
elephant	pig	blue tit	whale
panda	eagle	dog	swan

ANIMALS WITH FEATHERS

ANIMALS WITH FUR

ANIMALS WITH SKIN

DRAW A PICTURE OF AN ANIMAL WITH FEATHERS.



ANIMALS ASSESSMENT

NAME _____

Write down six animals you would find at the zoo.

Fill in the missing letters.

ba_ger

fro_

_ox

ra_bit

Are these sentences TRUE or FALSE?

Animals come in different sizes.

You find insects in the garden.

All animals can fly.

Animals need food and water.

You can keep a tiger as a pet.

Circle 5 birds.

crocodile

dragonfly

swan

chaffinch

kangaroo

goose

grouse

moose

squirrel

starling



ASSESSMENT – ANSWERS

NAME _____

Write down six animals you would find at the zoo.

Fill in the missing letters.

badger

frog

fox

rabbit

Are these sentences TRUE or FALSE?

Animals come in different sizes.

T

You find insects in the garden.

T

All animals can fly.

F

Animals need food and water.

T

You can keep a tiger as a pet.

F

Circle 5 birds.

crocodile

dragonfly

swan

chaffinch

kangaroo

goose

grouse

moose

squirrel

starling



ANIMALS

WORD SEARCH

ANIMALS

SWIM

NEST

SPECIES

FOOD

PET

FARM

GARDEN

ZOO

WILDLIFE

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



ANIMALS

WORD SEARCH ANSWERS

ANIMALS

SWIM

NEST

SPECIES

FOOD

PET

FARM

GARDEN

ZOO

WILDLIFE

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





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