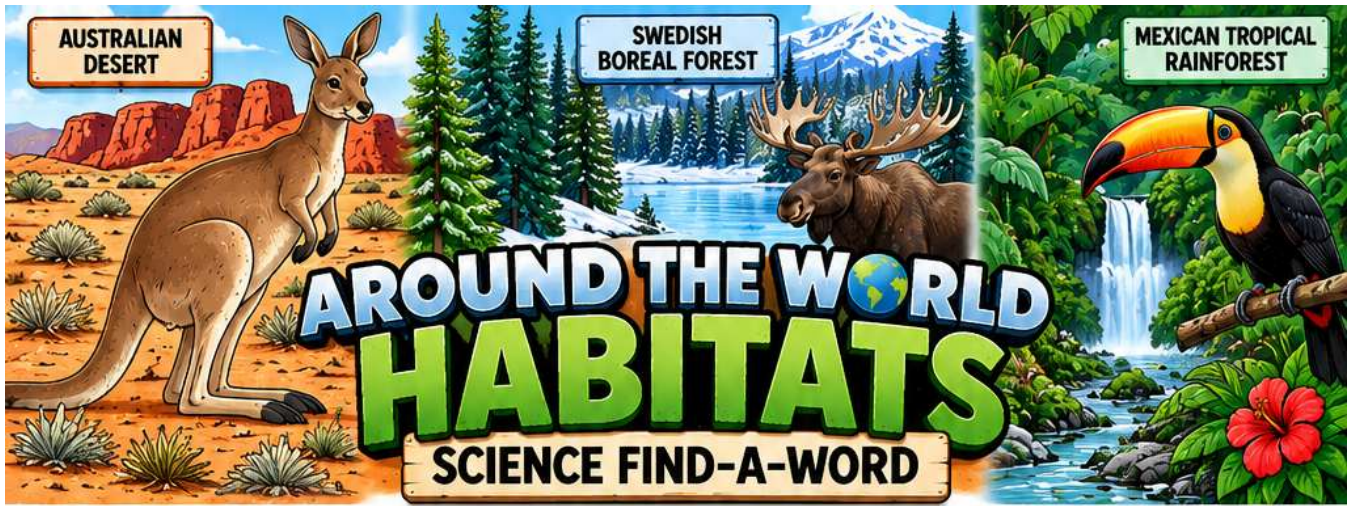




FIND THE WORDS

Find the 15 science words. Words may be hidden across →, down ↓ or diagonal ↘ ↙.

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

WORD BANK

HABITAT
ENVIRONMENT
CLIMATE
RAINFALL
TEMPERATURE
WATER
PREDATOR
SHELTER
SURVIVAL
CHALLENGE
CONDITIONS
DESERT
FOREST
RAINFOREST
EVIDENCE



FAST FINISHER CHALLENGE

Choose 3 words from the word bank and use each one in a sentence about an environment.

1. _____
2. _____
3. _____



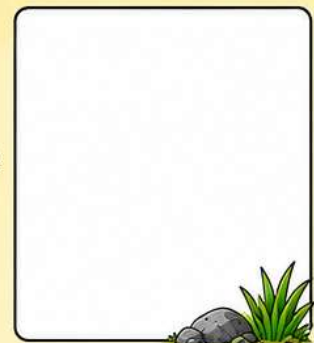
SUPER SCIENTIST

Choose one environment:

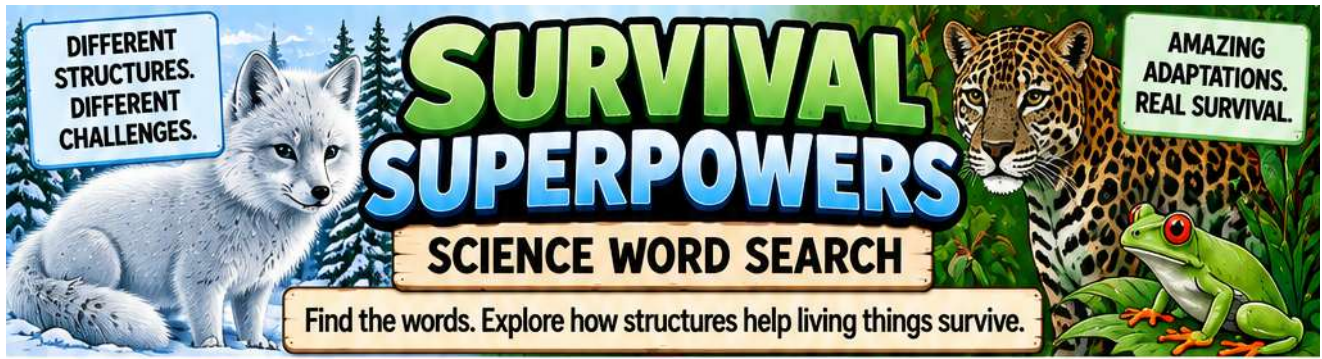
- ☐ Australian Desert
☐ Swedish Boreal Forest
☐ Mexican Tropical Rainforest

Draw the environment and label:

- one physical condition
- one food source
- one type of shelter
- one survival challenge



The _____ environment creates a survival challenge because _____.



FIND THE WORDS

Find the 15 science words. Words may be hidden across →, down ↓ or diagonal ↘ ↙.



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

WORD BANK

- ☐ ORGANISM
- ☐ STRUCTURE
- ☐ FUNCTION
- ☐ SURVIVAL
- ☐ HABITAT
- ☐ ENVIRONMENT
- ☐ CHALLENGE
- ☐ FEATURE
- ☐ PLANT
- ☐ ANIMAL
- ☐ INSULATION
- ☐ CAMOUFLAGE
- ☐ ROOTS
- ☐ FUR
- ☐ SPINES



FAST FINISHER CHALLENGE

Choose 3 words from the word bank and use each one in a scientific sentence about how an organism survives.

1. _____
2. _____
3. _____



STRUCTURE → FUNCTION → SURVIVAL



STRUCTURE

What does it **HAVE**?



FUNCTION

What does it **DO**?



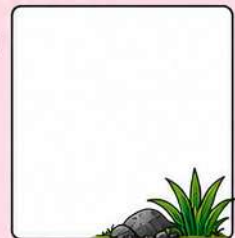
SURVIVAL

How does that **HELP**?

SUPER SCIENTIST

Choose one organism from the lesson:

- Thorny Devil
- Water Holding Frog
- Spinifex
- Moose
- Arctic Fox
- Norway Spruce
- Jaguar
- Poison Dart Frog
- Ceiba Tree



Draw your organism and label one structural feature.

The _____ has _____.

This structure helps it _____

because _____.



FIND THE WORDS

Find the 15 science words. Words may be hidden across →, down ↓ or diagonal ↘ ↙.



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

WORD BANK

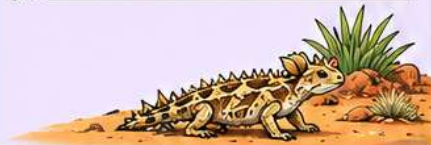
- ☐ BEHAVIOUR
- ☐ SURVIVAL
- ☐ HABITAT
- ☐ ENVIRONMENT
- ☐ NOCTURNAL
- ☐ BURROWING
- ☐ HIBERNATION
- ☐ MIGRATION
- ☐ CAMOUFLAGE
- ☐ PREDATOR
- ☐ FOOD
- ☐ PATTERN
- ☐ CHALLENGE
- ☐ TEMPERATURE
- ☐ CONSERVATION



FAST FINISHER CHALLENGE

Choose 3 words from the word bank and use each one in a scientific sentence about survival.

- _____
- _____
- _____



BEHAVIOUR vs STRUCTURE



STRUCTURE =
What an organism **HAS**.



BEHAVIOUR =
What an organism **DOES**.

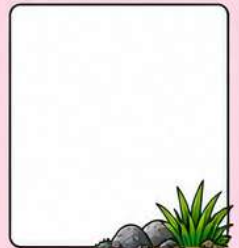


I have strong legs
(structure) to hop.
I hop at night
(behaviour) to stay cool
and avoid predators.

SMART BEHAVIOUR SCIENTIST

Choose one behaviour from the lesson:

- ☐ Nocturnal
- ☐ Burrowing
- ☐ Water conservation
- ☐ Hibernation
- ☐ Migration
- ☐ Living in groups
- ☐ Camouflage
- ☐ Tree canopy living
- ☐ Night hunting



The animal _____.

This behaviour helps it survive
because _____.



SUPER CHALLENGE

Complete the scientific thinking chain.

ENVIRONMENT

CHALLENGE

BEHAVIOUR

SURVIVAL



FIND THE WORDS

Find the 15 science words. Words may be hidden across →, down ↓ or diagonal ↘ ↙.



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

WORD BANK

- ☐ INVESTIGATION
- ☐ QUESTION
- ☐ EVIDENCE
- ☐ SOURCE
- ☐ INFORMATION
- ☐ PATTERN
- ☐ RELATIONSHIP
- ☐ COMPARE
- ☐ STRUCTURE
- ☐ BEHAVIOUR
- ☐ HABITAT
- ☐ CONCLUSION
- ☐ ORGANISM
- ☐ RELEVANT
- ☐ RESEARCH



FAST FINISHER CHALLENGE

Choose 3 words from the word bank and use each one in a scientific sentence.

1. _____
2. _____
3. _____



SURVIVAL SCIENTIST CHALLENGE

Write an investigable question about survival.

My question:

I could compare:

My information source could be:

Evidence I would look for:



EVIDENCE DETECTIVE

A scientist is investigating:

"How do animals survive extreme temperatures?"

Circle the information that would be **RELEVANT EVIDENCE**.

thick fur	body colour
favourite food	hibernation
burrowing	habitat temperature
nocturnal behaviour	animal's name

This evidence is relevant because



NATURE INSPIRES HUMANS

Living things solve problems. Humans learn from nature.

BIOLOGY IDEAS A BRIGHTER TOMORROW

SCIENCE FIND-A-WORD

Amazing ideas. Real solutions.



Gecko
Adhesive technology



Kingfisher
Bullet train design



Lotus leaf
Self-cleaning surfaces



Thorny Devil
Water harvesting ideas



Owl
Quieter aircraft



Cactus
Water storage ideas



FIND THE WORDS

Find the 15 science words. Words may be hidden across →, ↓ or diagonal ↘ ↙ ↗ ↖.

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

WORD BANK

- ☐ BIOMIMICRY
- ☐ STRUCTURE
- ☐ FUNCTION
- ☐ ORGANISM
- ☐ TECHNOLOGY
- ☐ DESIGN
- ☐ APPLICATION
- ☐ INNOVATION
- ☐ SCIENTIFIC
- ☐ KNOWLEDGE
- ☐ PROBLEM
- ☐ SOLUTION
- ☐ COMMUNITY
- ☐ ENVIRONMENT
- ☐ SUSTAINABLE



LEARN FROM NATURE
CREATE A BETTER FUTURE

FAST FINISHER CHALLENGE

Choose 3 words from the word bank and use each one in a scientific sentence about biomimicry.

- _____
- _____
- _____



BIOMIMICRY THINKING

How scientists turn nature's ideas into solutions.



BIOLOGICAL FEATURE

What structure or feature does the organism have?



FUNCTION

What does it do?



HUMAN PROBLEM

What problem can it help solve?



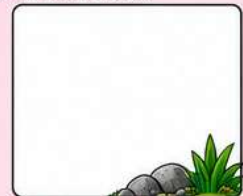
DESIGN SOLUTION

How could we use this idea?

YOUR INVESTIGATION

Choose one organism from the lesson:

- ☐ Gecko
- ☐ Kingfisher
- ☐ Lotus leaf
- ☐ Thorny Devil
- ☐ Owl
- ☐ Cactus



Draw your organism and label one feature.

The _____ has _____.

This feature helps it _____.

because _____.



EVIDENCE DETECTIVE

A scientist is investigating: "How can nature help us solve water problems?" Which pieces of information would be **relevant evidence**? Circle them.

leaf shape water storage bright colour root system
how it looks dry environment behaviour surface texture



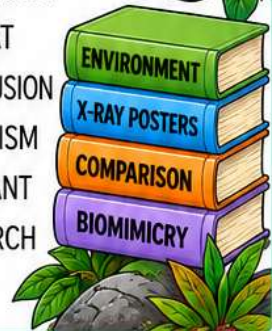
FIND THE WORDS

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

WORD BANK

- ☐ INVESTIGATION
- ☐ QUESTION
- ☐ EVIDENCE
- ☐ SOURCE
- ☐ INFORMATION
- ☐ PATTERN
- ☐ RELATIONSHIP
- ☐ COMPARE
- ☐ STRUCTURE
- ☐ BEHAVIOUR
- ☐ HABITAT
- ☐ CONCLUSION
- ☐ ORGANISM
- ☐ RELEVANT
- ☐ RESEARCH



FAST FINISHER CHALLENGE

Choose 3 words from the word bank and use each one in a scientific sentence.

- _____
- _____
- _____



SCIENTIST THINKING

Use these questions to help with your investigation.



QUESTION

What am I trying to find out?



EVIDENCE

What information helps answer my question?



PATTERN

What happens more than once?



RELATIONSHIP

What things appear to be connected?

YOUR INVESTIGATION

Choose one of the questions below or write your own.

- How do animals survive extreme heat?
- How do plants survive with little water?
- Which behaviours help protect animals from predators?
- How do animals survive cold environments?
- How do structural features differ between environments?
- What survival challenges are similar across countries?
- Your own question: _____

My investigation question: _____

Which organisms or environments will I compare? _____

Which posters/sources will I use? _____

What information do I need to collect? _____



EXTRA CHALLENGE – EVIDENCE SORT

A scientist is investigating: "How do animals survive extreme temperatures?"
Which pieces of information are relevant evidence? Circle the correct ones.

- | | | | |
|-------------|---------------------|------------------|---------------|
| thick fur | migration | favourite colour | hibernation |
| food source | habitat temperature | burrowing | animal's name |