

# 3

## Save our Earth

### Vocabulary

Actions that are good / bad for the environment

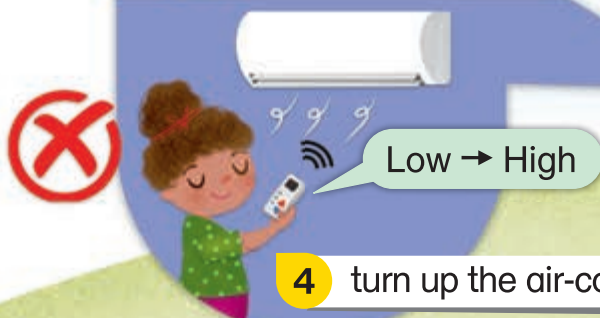


1 turn off the tap / lights

2 leave the tap / lights on



3 turn down the air-con



4 turn up the air-con



### Types of pollution



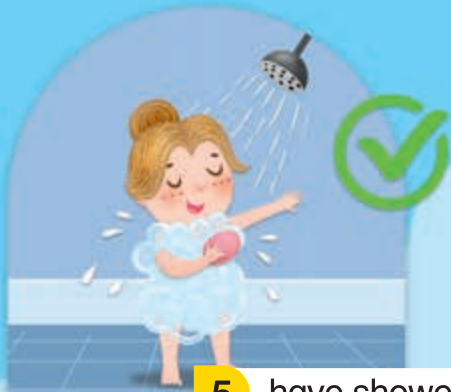
11 air pollution



12 land pollution

# Vocab booster

More words on pp.81-82!



5 have showers



6 have baths



7 bring your own bag / water bottle / handkerchief



8 use a lot of plastic bags / bottles / tissues / disposable products



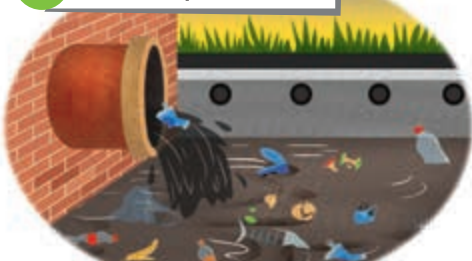
9 recycle / reuse cans, paper, glass, plastic bags / bottles



10 throw away a lot of used cans / paper / plastic bags / bottles



13 water pollution



14 noise pollution



Read the story.

## Mother Earth's fever

Mother Earth had a bad fever. She hired the famous time-travelling scientist, Dr Why, to find out what was wrong with her.

5 Dr Why visited many countries around the world. There was so much air pollution! He did a lot of tests.

Next, Dr Why travelled back in time to one hundred years ago to see what Mother Earth was like back then. He measured temperatures and tested the ice at the North Pole. Then, he wrote a report for Mother Earth to explain the situation ...

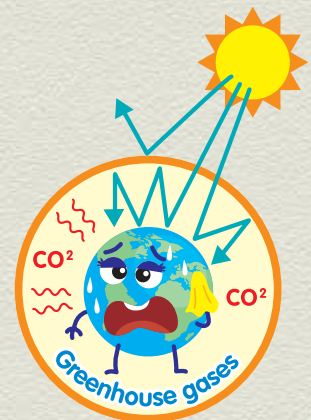


### Report on Mother Earth's fever

by Dr Why

#### Cause

Mother Earth's fever is caused by **global warming**. When people use energy, they create greenhouse gases. These gases trap heat from the sun like a blanket and make Mother Earth get warmer. This causes so many climate problems. Some places get hit by huge storms. Others suffer from droughts and forest fires.



### '3R' Solutions

#### 1) Reduce

People use so much energy (driving cars, turning up the air-con, etc.). This creates greenhouse gases. To reduce energy use, people should use public transport instead of cars. They should also use energy-saving lightbulbs and turn off the lights in empty rooms. They should turn down the air-con or even use fans instead.



#### 2) Reuse



People create so much waste. For example, they use disposable products and throw away plastic bags. This causes land and water pollution. Moreover, the factories making these products create greenhouse gases. To reduce waste, people should stop using disposable products. They should take a cloth bag when they go shopping. They can use it over and over again!

#### 3) Recycle

People should stop producing so much rubbish. They should put anything that can be recycled (cans, glass, plastic bottles, used paper, etc.) into recycling bins. This will reduce the amount of rubbish that ends up in landfills.



10 'Thank you, Dr Why. This report is very helpful,' said Mother Earth. 'But I'm worried it has come too late.'

'It's never too late to take care of our home!' replied Dr Why.



#### Protect the environment

What other things can you do to help stop global warming?

## Post-reading

Read the story again. Put the events in the correct order. Write 1–6.

- 1  Dr Why gives a report to Mother Earth.
- Dr Why discovers a lot of pollution.
- Mother Earth asks Dr Why for help.
- Dr Why tests the ice at the North Pole.
- Dr Why travels to the past.
- Mother Earth thanks Dr Why.



Complete the diagram. Write **ONE** word from the story for each blank.

- 2 Greenhouse gases are caused by people using (a) \_\_\_\_\_.
- ↓
- Greenhouse gases form a blanket around the earth and trap the sun's (b) \_\_\_\_\_.
- ↓
- The earth becomes (c) \_\_\_\_\_.
- ↓
- Storms, droughts, forest fires and other (d) \_\_\_\_\_ problems occur.

Which '3R' solution is each person using? Write 'reduce', 'reuse' or 'recycle' in the boxes.

- 3 Tina always puts old cardboard in a special blue bin. (                    )
- 4 Mr Tam takes the bus to work instead of driving his car. (                    )
- 5 Anna brings her own bags when she goes grocery shopping. (                    )

Choose the best answer.



- 6 What is the main message of the story?

Read the last paragraph carefully.

- A. It is useful to write a report on Mother Earth's fever.
- B. It is too late to write a report on Mother Earth's fever.
- C. It is never too late to take action to save our Earth.
- D. Everyone should take care of their own homes.

# Language focus 1

People dump **so many** disposable products.

They dump **so much** food waste.

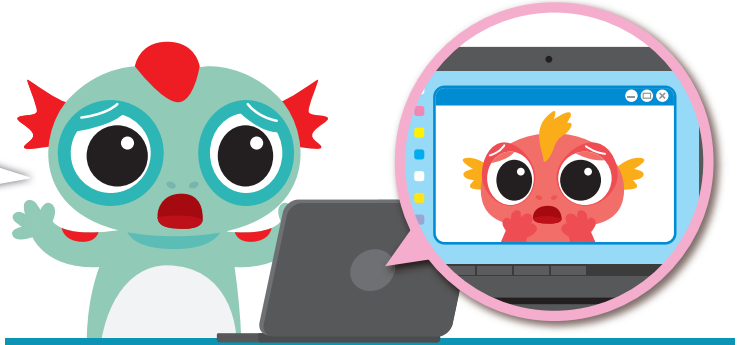
**so many** → plural countable nouns

**so much** → uncountable nouns

**so** = very, extremely

**Monster Mochi is on a trip to Earth. He is telling his friend what is happening on Earth. Finish what he says.**

Air pollution is a serious problem on Earth. Cars on the road give out **so many** fumes. Factories produce **so much** smoke. People have breathing problems.



e.g.

## Air pollution



cars on the road give out a lot of fumes



factories produce a lot of smoke

→ people have breathing problems

1

## Land pollution



people use a lot of disposable products



they like to order a lot of dishes but they can't finish them all

→ there are not enough landfills for all the rubbish

2

## Noise pollution



the busy traffic and roadworks make a lot of noise



people make a lot of noise at night

→ people have hearing and sleeping problems

3

## Water pollution



factories dump a lot of toxic waste into the rivers and sea



people throw a lot of rubbish into the sea

→ a lot of fish die

## Language focus 2

To reduce waste, we should **stop** **throwing** away so many plastic bottles.

purpose

Use **gerunds** (-ing words) after **stop**.

Monster Mochi is chatting with his new human friend. They are talking about how to fight pollution. Finish what they say.

e.g. To reduce air pollution ...



produce so much smoke



cut down trees

1 To save water ...

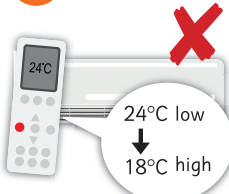


leave the tap on while brushing our teeth



have baths

2 To save energy ...



turn up the air-con



leave the lights on

3 To reduce waste ...



use so many disposable products



throw away so much rubbish

To reduce air pollution, factories should **stop** **producing** so much smoke.

We should also **stop** **cutting** down trees.

Your turn

What can we do to fight pollution? Discuss with your classmates.



People throw away so many paper towels. We should stop using paper towels to dry our hands.



Yes, we should use handkerchiefs instead.

# Listening & Speaking

**A Listen to the radio programme and answer the questions. Choose the best answers.**

- 1 Sam is an eco-fighter because he \_\_\_\_ .
- A. enjoys being in nature                       B. fights people who litter
- C. is brave and strong                               D. protects the environment
- 2 The Great Pacific Garbage Patch is \_\_\_\_ .
- A. a collection of plastic                               B. a type of sea creature
- C. an island in the Pacific                               D. a place with lots of waste
- 3 According to Sam, we \_\_\_\_ 90% of plastic items.
- A. burn                       B. recycle                       C. throw away                       D. use up



**Guess the meaning of unknown words**

Pay attention to the sentences before or after the words.

**B A girl is persuading her friend to do something. Act out the conversation.**

: Hey, Jenny. We'll meet after school to decorate the bulletin board. Do you fancy joining us?

: I'm not sure. I have a lot of homework.

: **You really should come.** It's important. We're putting up posters to promote environmental protection.

: I'll think about it.

: **Come on, you'll enjoy it!**

: OK! I'll come!



**Persuade someone**

- You really should come.
- Come on, you'll enjoy it.
- You won't regret it!

## Phonics

long 'a'

save

explain

away

**Listen to the words. Pay attention to the vowel sounds. Circle the odd one out.**

- e.g. take                      tap                      train
- 1 main                      market                      make
- 2 wear                      wake                      way
- 3 grandpa                      great                      gray
- 4 pay                      paint                      pear



The letters **a\_e**, \_\_\_\_\_, \_\_\_\_\_ and **ea** make the long 'a' sound.



## What is it?

An encyclopaedia provides information about many different topics. It can be one book, a series of books, a website or an app. The following shows an online encyclopaedia.

In an online encyclopaedia, you can enter a topic or some keywords into the search box.

The screenshot shows a web browser window with the URL [www.smartkids.encyclopaedia/extreme\\_weather\\_events](http://www.smartkids.encyclopaedia/extreme_weather_events). The page title is "Smart Kids encyclopaedia". At the top right is a search bar with the text "Search...". Below the search bar are five major categories of information: Animals (with a lion), Space (with Saturn), People (with Abraham Lincoln), Nature (with a tree), and History (with the Great Sphinx). A "More >" link is next to these categories. The main content area is titled "Extreme weather events" and contains a description: "Extreme weather events refer to unusual or severe weather events. Climate change has made these events more likely to happen." Below this are four sub-topics: "blizzard", "drought", "flood", and "heat wave", each with a brief description and a "read more" link. On the right side, there is a "Videos" section with three video thumbnails. Below the videos is a "Related articles" section with a "QUIZ" button. A "Hyperlink to more information on this term or continue reading" callout points to the "Global warming" link in the "heat wave" sub-topic description.

Smart Kids encyclopaedia

Search...

Animals Space People Nature History More >

Topic → **Extreme weather events**  
Extreme weather events refer to unusual or severe weather events. Climate change has made these events more likely to happen.

Sub-topic → **blizzard** ▼  
A blizzard is a dangerous snowstorm. It comes with strong winds and snow. Drivers can't see in the blowing snow ... ([read more](#))

**drought** ▼  
A drought occurs when there is not enough rain for a long period of time. People, animals and plants are all affected by droughts ... ([read more](#))

**flood** ▼  
A flood occurs when there is heavy rainfall in a short period of time. Places near rivers and coasts ... ([read more](#))

**heat wave** ▼  
A heat wave refers to a period of unusually hot weather. It can last for two or more days. [Global warming](#) is one of the reasons for ... ([read more](#))

Videos

Related articles

More information on this topic

Hyperlink to more information on this term or continue reading

**A** What extreme weather events are the people talking about? Write the events in the boxes.

(a)



This week, the temperature reached above 40°C. But the usual average temperature is just around 23°C. Everyone is melting!

a

(b)

I nearly hit the car in front of me yesterday. I couldn't see anything on the road with the heavy snow!



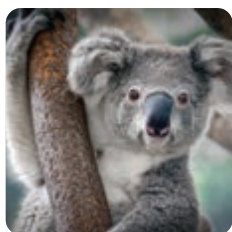
a

**B** Answer the questions. Circle and choose the best answers.

- In this online encyclopaedia, there are only five different topics. (✓ / ✗)
- The sub-topics are arranged in alphabetical order. (✓ / ✗)
- Which of the following do you think you can see under the topic 'Extreme weather events'?



A.



koala



B.



Christmas



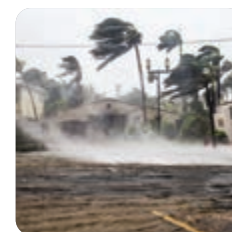
C.



Thomas Edison



D.



typhoon

- Read this line from the heat wave entry: It can last for two or more days ... What does 'last' mean?

last /la:st/

adj

- most recent or nearest to the present time,  
e.g. *Did you go to the party last night?*
- happening or existing at the end, with no others after,  
e.g. *All the mysteries are solved in the last chapter.*

verb

- to continue for a particular length of time,  
e.g. *The show will last about three hours.*
- to continue in good condition,  
e.g. *The smartphone can last about two years.*



A. 1



B. 2



C. 3



D. 4

Try this

Look up another encyclopaedia in the library or online. Share an interesting topic with your friends.

# 4

## Be kind to our animals

### Vocabulary

### Actions that harm animals



1 use animals to test new products



2 force animals to fight against each other



3 destroy forests



4 pollute the environment



5 dump waste into the sea



### Actions that protect animals

9 use less plastic



10 think before we buy



don't buy leather goods



don't buy clothes made from the fur of animals

6 hunt animals for their body parts



sharks' fins



crocodiles' skin



bears' fur



rhinos' horns

7 keep rare animals as pets



an orangutan



a star tortoise



a grey parrot

8 catch endangered animals



a rhino



a gorilla

earson



a sea lion



a whale

11 reduce pollution



12 support animal charities



be a volunteer

donate money

## Read the letter.

Rainforest, Central Africa

19th September 20XX

Dear animal lovers,

### Save the African elephants

- 5 My name is Evan. I am an eight-year-old African elephant. I live with my family in the rainforest. Over the past few years, several of my family members have died because of humans. I am writing this letter to tell you what has happened to us and to ask for your help. You love animals. Therefore you are the best people to help us.
- 10 Five years ago, some workers started coming into the rainforest in huge, noisy machines. My family and I were terrified. They cut down many trees and destroyed the forest. Therefore we had to walk for several days to find a new home. The journey was too hard for my
- 15 grandmother. Sadly, she passed away on the third day.





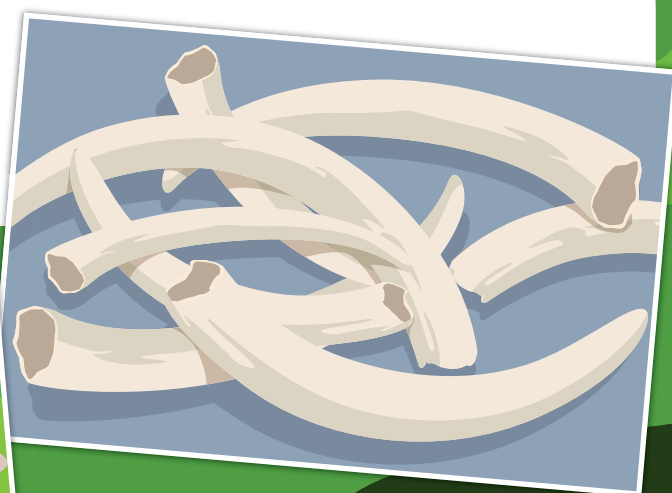
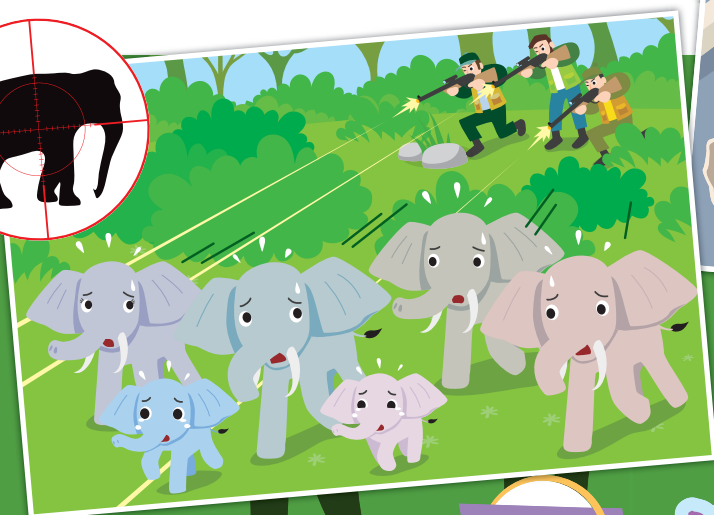
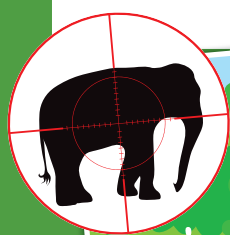
We made a new home in a different part of the rainforest. We were far away from the noisy machines so we thought we were safe. However, one day, a group of hunters appeared. They carried big, scary-looking guns. They shot and killed my  
 20 grandfather, my uncle and three cousins. They cut off their tusks and left their bodies on the jungle floor. It was so shocking. Can you believe some humans hunt animals for their body parts? We moved again. The hunters will kill my whole family unless we hide from them.

25 Could you please share our story with the world? Elephant families like mine will disappear completely unless we get help soon. Could you also encourage people to donate to charities that support wildlife and the environment?

Elephants will become extinct unless humans stop destroying forests and hunting us for our tusks. Please help to make sure this stops happening! Thank you for reading  
 30 this letter.

Yours faithfully,

Evan



Values

Protect animals

What else should be done to protect endangered animals like African elephants?



Values pledge on pp.95–96

## Post-reading

Read the letter again. Are the sentences true (T) or false (F)? Write 'T' or 'F'. Then underline the mistakes and write the correct words.

- 1 a  Evan and his family live in a rainforest in Africa.
- b  The dangers to Evan's family started ten years ago.
- c  The workers used noisy machines to cut down trees.
- d  Evan's grandmother was shot by a group of hunters.
- e  The hunters killed Evan's family members for their tusks.

Choose the best answer and answer the questions in complete sentences.



- 2 What are the main reasons Evan wrote the letter to animal lovers?

- (1) to ask them to help protect his family from harm  
(2) to encourage them to tell others about the dangers the elephants are facing  
(3) to tell them why he is angry with humans  
(4) to thank them for donating to animal charities

- A. (1) and (2)                       B. (1) and (3)  
 C. (2) and (3)                       D. (3) and (4)

Read the first and last two paragraphs carefully.

- 3 Why did Evan's family go on a journey five years ago?

They \_\_\_\_\_ five years ago to \_\_\_\_\_.

- 4 How did Evan's cousins die?

Some \_\_\_\_\_.

- 5 What do elephants want humans to stop doing?

They \_\_\_\_\_.

- 6 What does the word 'this' in line 29 refer to?

It \_\_\_\_\_.

# Language focus 1

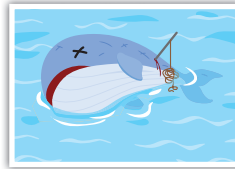
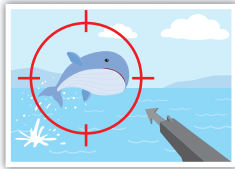
People buy star tortoises as pets. **Therefore** there are very few left in the wild.

Cause

Result

Some animals are calling for help. They are sharing their sad stories. Finish what they say.

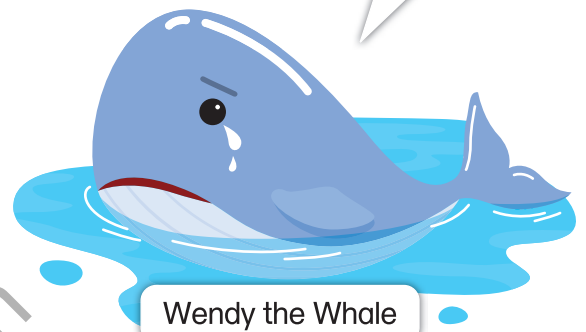
e.g.



humans hunt us for our meat and body parts

a lot of whales have died

Humans hunt us for our meat and body parts. **Therefore** a lot of whales have died.



1



humans destroy our forests

it is hard for us to find food

2



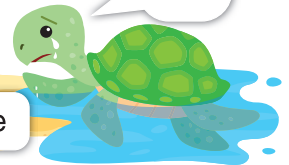
humans dump waste into the sea

we sometimes get injured

Rita the Red Panda



Tommy the Turtle



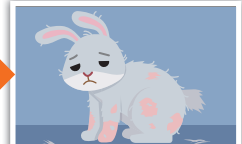
3



humans force us to fight against each other

we often get hurt

4



humans use us to test new products

we always feel sick

Calvin the Cock



Ruby the Rabbit





## Language focus 2

Star tortoises will become extinct **unless** we stop keeping them as pets.

Use the future tense.

Don't use the future tense here. Use the present tense.

**unless** = if ... not

Star tortoises will become extinct if we do not stop keeping them as pets.

The children are giving a speech about saving animals. Read their note cards and finish what they say.

### Grey parrots

e.g.

**Cause:** people trade them as pets illegally

**Result:** very few left in the wild

**Action:** don't buy them



People trade grey parrots as pets illegally. Therefore there are very few left in the wild. Grey parrots will become extinct **unless** we stop buying them.

### 1 Gorillas

**Cause:** people clear trees in forests to build houses

**Result:** many gorillas lose their homes

**Action:** don't destroy the forests



### 2 Elephants

**Cause:** hunters hunt them for their tusks to make ivory products

**Result:** very few left in the wild

**Action:** don't buy ivory products



### 3 Polar bears

**Cause:** sea ice is melting because of global warming

**Result:** polar bears have no way to hunt

**Action:** don't use so much energy



### 4 Sharks

**Cause:** people catch them for their fins to sell in restaurants

**Result:** very few left in the sea

**Action:** don't order shark fin soup



Your turn

Get into groups. Talk about what actions we should take to save other endangered animals.

# Listening & Speaking

- A** Listen to the TV programme and complete the fact sheet. Circle or write.



## Listen for measurements

Use short forms in your answers.  
kilometres = km, centimetres = cm  
kilograms = kg, grams = g  
millilitres = ml, litres = l

### The koala

- 1 Living place: mostly in the **east / north / south / west** of Australia, near the coast
- 2 Adult body length: 60— \_\_\_\_\_ (unit)
- 3 Diet: gum leaves (about \_\_\_\_\_ a day) (unit)
- 4 Habits: sleeps for **4 / 14 / 20 / 23** hours a day
- 5 Threats: **bushfires / kept as pets / loss of homes / eaten as food**  
(You may choose more than one answer.)



- B** Two children are reading some news online. Act out the conversation.



**Person 1:** Oh no! There's a huge bushfire in Australia. Many koalas are killed in the fire.

**Person 2:** That's so sad!

**Person 1:** Many other koalas are trapped and are likely to die soon!

**Person 2:** I feel terrible about it!



## Express sadness

- That's so sad!
- I feel terrible about it!
- I'm upset about it!

## Phonics

long 'e'      **keep**      **clean**      **be**

Listen to the words. Then put them in the correct places.

teeth      treat  
we      sheep  
sea      me  
meet      weak  
she

**ee**

teeth

\_\_\_\_\_

\_\_\_\_\_

**ea**

treat

\_\_\_\_\_

\_\_\_\_\_

**e**

we

\_\_\_\_\_

\_\_\_\_\_

Some spellings of the long 'e' sound include: \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

# Task

Write a formal letter on behalf of some endangered animals

## STEP 1 ▶ Let's read



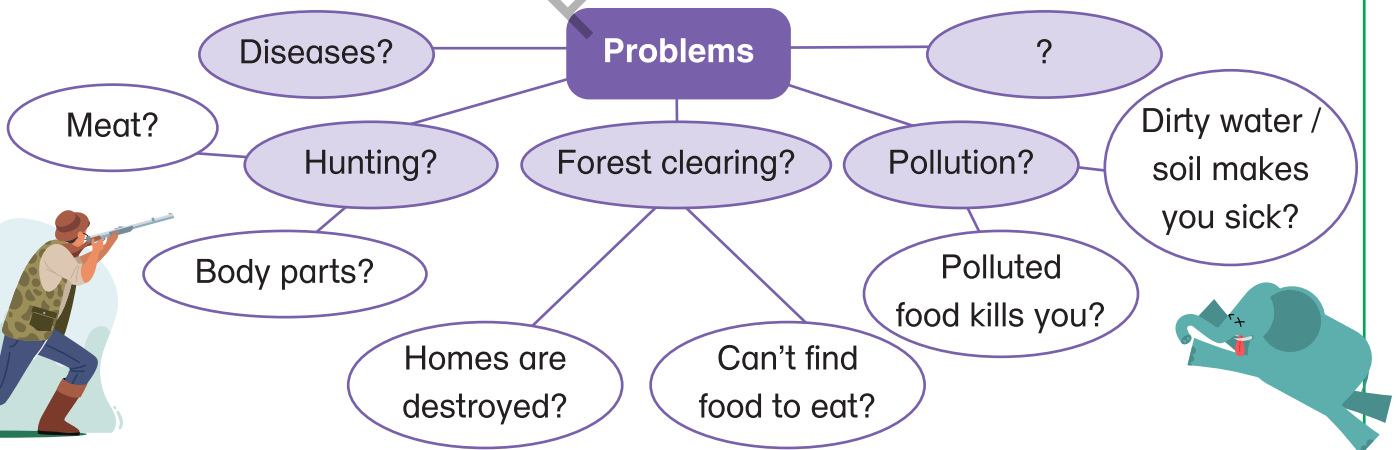
### Write a formal letter with the correct format

- Use formal language and a polite tone in a formal letter.
  - ✓ We would like to ...      ✓ We hope you can ...      ✗ We want you to ...
- Don't use contractions.
  - ✓ We are a group of African elephants.      ✗ We're a group of African elephants.
- Greeting – ✓ Dear Sir / Madam,
  - ✓ Dear Mr Brown,
  - ✗ Hi Mr Brown,
- Closing – ✓ Yours sincerely, / Sincerely,
  - ✓ Yours faithfully,
  - ✗ Love, / Best wishes,

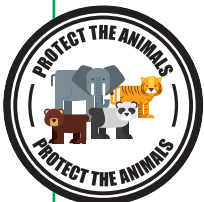
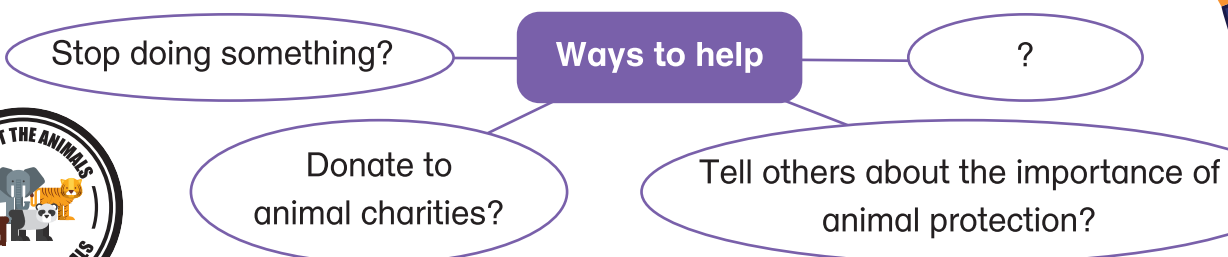
Use this when you know the name of the person you are writing to

Use these mind maps to help you write the body of the letter.

1) What problems are you facing? The major problem should come first.



2) What can readers do to help?



## STEP 2 ▶ Let's practise

Read the following letter. The writer has used some informal language. Help correct the underlined phrases. Then finish the subject line and the closing.

Rainforest, Indonesia Sender's address

3rd October 20XX Date of the letter

Dear humans, Greeting

\_\_\_\_\_ Subject line

### Introduction:

Tell the recipient who you are and why you are writing the letter.

We're ( ) a group of orangutans and we live in the rainforest in Indonesia. About a hundred years ago, there were more than 230,000 orangutans in the world. However, our number is cut nearly by half now, with only about 120,000 left. We are writing to ask for your help. If humans don't change their behaviour, we will soon become extinct.

### Body:

Give reasons, facts and examples to support your message.

The major threat to us is forest clearing. Forests are our homes. However, people have cut down many trees and destroyed the forests. We have lost about 80% of our homes in the last 20 years.

Our second threat is the illegal pet trade and hunting. Baby orangutans are very cute. Therefore people like keeping them as pets. People kill the mothers and take the babies. But we are wild animals, not pets. Your happiness has done a lot of harm to us.

### Conclusion:

Sum up your message or call for action.

Could you do something to save us? We'll ( ) become extinct unless you stop destroying the forests. Also, please stop keeping us as pets and hunting us. We want you to ( ) tell others about the importance of saving orangutans too. Our future is in your hands. Please take action before it is too late!

\_\_\_\_\_ Closing

The orangutans Sender's name



## STEP 3 ▶ Let's write

Do some research and write your own letter on behalf of another group of endangered animals.

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### Ch 3



- ... talk about **actions that are good / bad for the environment** and **types of pollution**.
- ... use **so many** and **so much** to talk about the quantities of things (e.g. **so many disposable products, so much food waste**).
- ... use **stop** + gerunds to talk about ways of protecting the environment (e.g. **We should stop throwing away so many plastic bottles**).
- ... understand the features of (online) **encyclopaedias** (e.g. the topic, the sub-topic).

### Ch 4

- ... talk about **actions that harm** or **protect animals**.
- ... use **Therefore** to show the result of an action (e.g. **People buy star tortoises as pets. Therefore there are very few left in the wild**).
- ... use **unless** to express conditions (e.g. **Star tortoises will become extinct unless we stop keeping them as pets**).

### Task

- ... write a formal letter on behalf of some endangered animals.
- ... write a formal letter with the correct format.