

CLIMATE CHANGE



ACTIVITY BOOK

SUITABLE FOR AGES 13 -16



CapeNature

WHAT'S THE DIFFERENCE BETWEEN WEATHER AND CLIMATE?

Weather?

Answer: Typical weather over a **SHORT** period of



Blank writing area with horizontal dotted lines for text entry.

Write down which words belong to weather and which belong to climate.

- 1 Dry
- 2 Cloudiness
- 3 Hot
- 4 Precipitation
- 5 Cold
- 6 Temperature
- 7 Wet
- 8 Pressure
- 9 Wind

Climate?

Answer: Typical weather over a **LONG** period of



Blank writing area with horizontal dotted lines for text entry.

Weather vs Climate

(What you get)



MON



TUE

(What you expect)



June - October

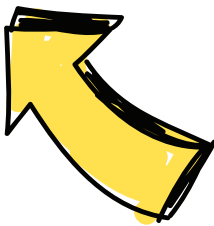
WORD SEARCH

e	x	o	s	p	h	e	r	e	m	e	e
r	a	v	x	i	n	u	a	e	a	e	s
e	b	j	o	s	v	a	s	i	r	t	e
h	g	x	i	c	e	o	o	e	r	x	r
p	z	i	q	m	s	x	h	a	k	m	e
s	d	h	m	p	v	p	t	b	x	d	h
o	j	b	h	x	s	o	o	m	r	q	p
m	c	e	g	o	s	y	e	v	i	x	s
r	r	q	p	p	b	w	q	d	a	p	o
e	s	o	h	c	l	i	m	a	t	e	m
h	r	e	r	v	x	y	j	a	k	u	t
t	r	f	y	p	w	d	r	m	s	n	a
e	c	k	b								



Solutions @ page 15

Did you know that the atmosphere has many different layers? Can you find them all in the word search?



Find these words:

- Climate
- Atmosphere
- Exosphere
- Thermosphere
- Mesosphere
- Stratosphere
- Troposphere

Radio waves are reflected back to earth and it absorbs dangerous rays from here.

Exosphere

Thermosphere

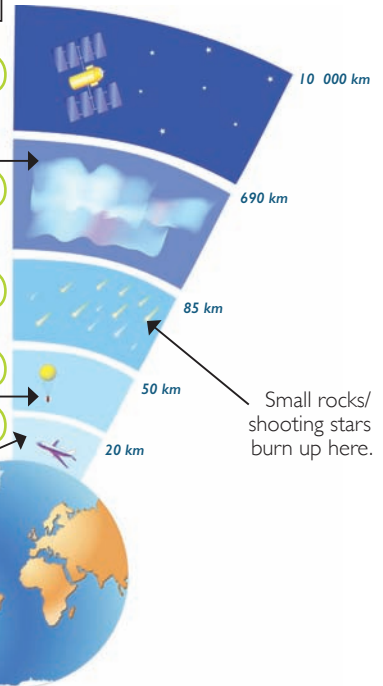
Mesosphere

Stratosphere

Troposphere

The ozone is found here.

Animals and plants live here.



Small rocks/shooting stars burn up here.

WHAT HAPPENS WHEN THE CLIMATE CHANGES?



MATCH THE RIGHT NUMBERS TO THE CORRECT PART ON THE PICTURE



- ① Changing rain and snow patterns
- ② Changes in animal migration and life cycles
- ③ Stronger storms
- ④ Higher temperatures and more heat waves
- ⑤ More droughts and wildfires
- ⑥ Less snow and ice
- ⑦ Damaged corals
- ⑧ Rising sea levels
- ⑨ Warmer oceans
- ⑩ Changes in plant life cycles

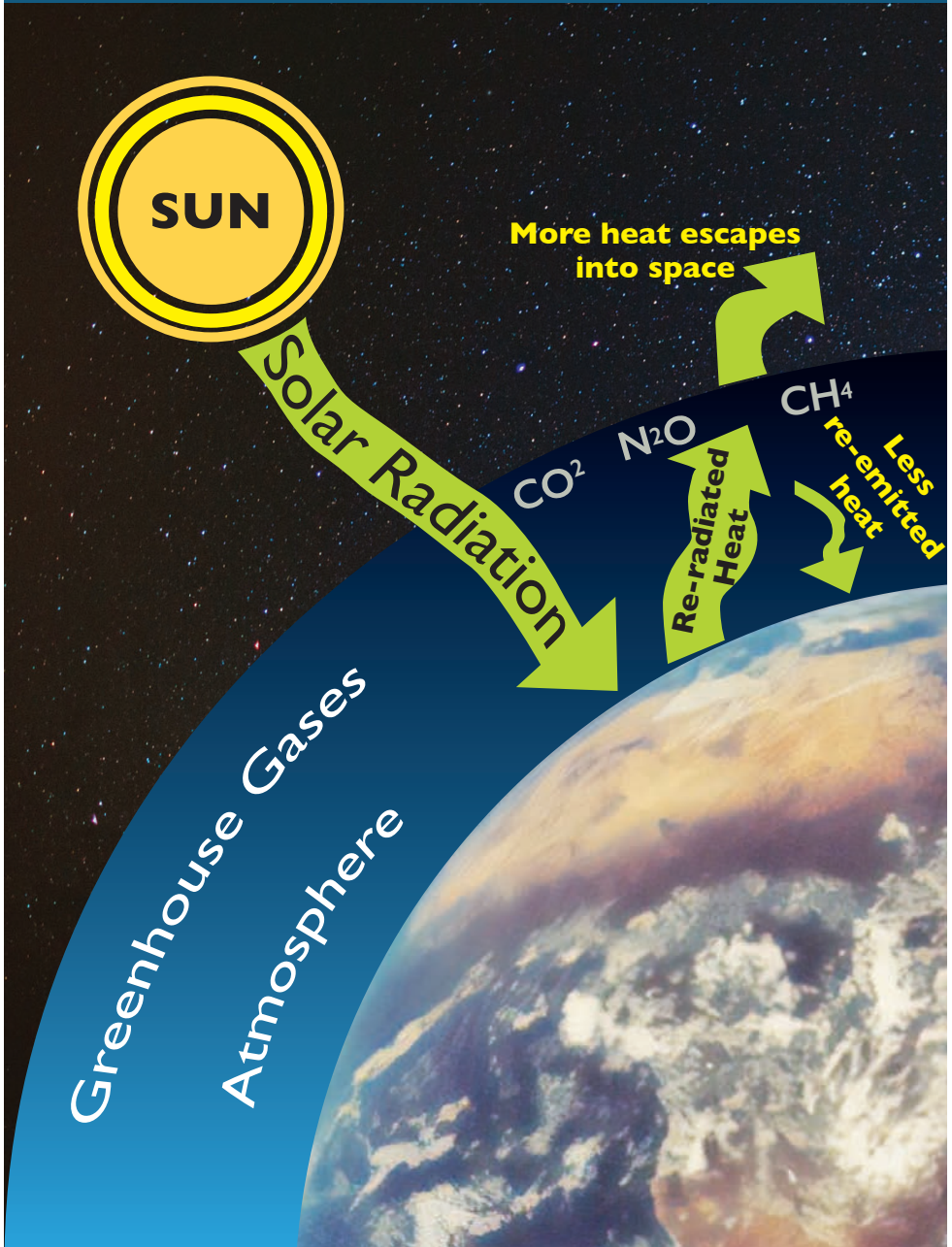
WRITE A STORY ABOUT THE PICTURE ON PAGE 7

A series of horizontal dotted lines for writing a story.

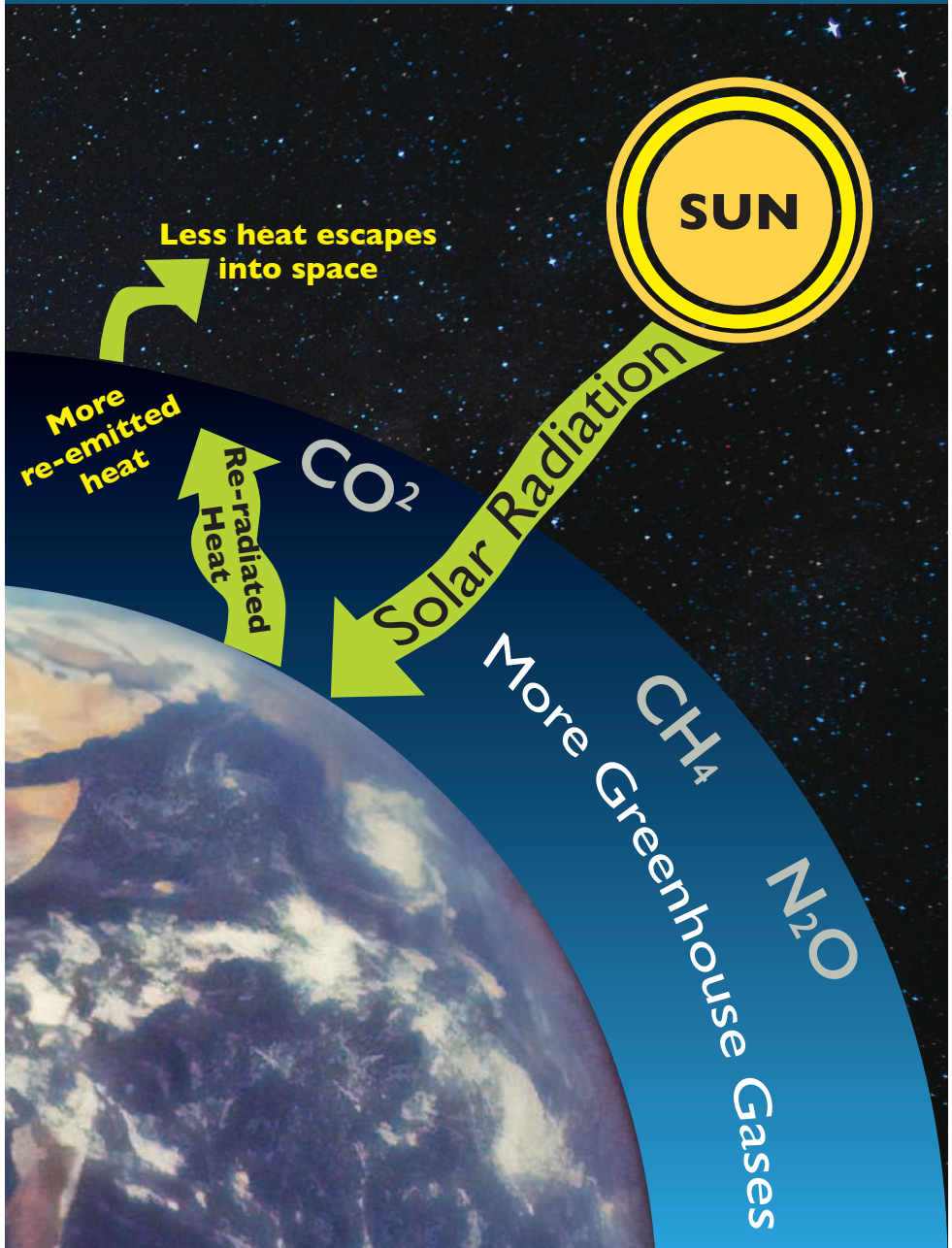




NATURAL GREENHOUSE EFFECT



HUMAN ENHANCED GREENHOUSE EFFECT



WHAT CAUSES CLIMATE CHANGE?



ACTIONS THAT PREVENT CLIMATE CHANGE

 Pedestrian	 Sailing boat	 Raking leaves	 Bus	 Solar power
<p>Can you spot the good actions on the right in the picture on the left?</p>	 Field of crops	 Diesel pump	 River	 Car wash
	 Picking up trash	 Garden	 Nursery	 Carpool lane
	 Farmer's market	 Plant Nursery	 Bicycle	 Recycling bins
	 Windmill	 Yard sale	 Thrift store	 Bike lane
	 Train	 Farm Stand	 Wind Power	 Cyclist

Various images taken from NASA Climate Kids: Climate Change Bingo.

WRITE A PLEDGE TO HELP STOP CLIMATE CHANGE



#LoveNature



HOW ARE THESE PICTURES DIFFERENT?

Write down
why you think picture
number 1 or 2 is better
for the environment?

Picture 1.

“Where are you,
Jenny?”



“I am just
getting these
clothes dry, Mum.”

.....

.....

.....

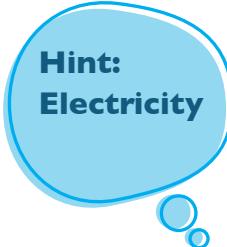
.....

.....

.....

Picture 2.

“Where are you,
Jenny?”



“I am just
getting these
clothes dry, Mum.”

.....

.....

.....

.....

.....

.....

DRAW ME



1.



2.



3.



4.



5.



SOLUTIONS

e	x	o	s	p	h	e	r	e	m	e	e
r	a	v	x	i	n	u	a	e	a	e	s
e	b	j	o	s	v	a	s	i	r	t	e
h	g	x	i	c	e	o	o	e	r	x	r
p	z	i	q	m	s	x	h	a	k	m	e
s	d	h	m	p	v	p	t	b	x	d	h
o	j	b	h	x	s	o	o	m	r	q	p
m	c	e	g	o	s	y	e	v	i	x	s
r	r	q	p	p	b	w	q	d	a	p	o
e	s	o	h	c	l	i	m	a	t	e	m
h	r	e	r	v	x	y	j	a	k	u	t
t	r	f	y	p	w	d	r	m	s	n	a
e	c	k	b								

@ page 3



@ page 4 & 5

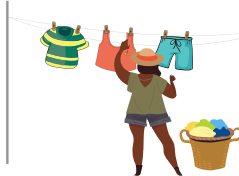
Weather?

Climate?

- Wind
- Cloudiness
- Pressure
- Temperature
- Precipitation

- Hot
- Cold
- Wet
- Dry

@ page 2



Picture 1 is better as no electricity is used.

@ page 13

@ page 10 & 11



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