



Play
and learn with

Jo Spots

Sun... Holidays... Precautions...



Dr. Know

Have you met your new friends? No?...

They're going to teach you lots of new things...



Albi



Mommy



Jo Spots



Daddy Jo



Baby



Claire



Annie



Ruffles



Carol



Grandpa



Grandma Daisy



Tony



Teacher



Big John

TITLE

PLAY AND LEARN WITH JO SPOTS

Sun... Holidays... Precautions

AUTHOR

Osvaldo Correia, MD PhD

Dermatologist, Porto, Portugal

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June, 17th.

Advice for the holidays...



Teacher: – Children... The term is coming to an end and the holidays are getting closer. The weather is lovely and it's time to learn some rules for living with the sun. So, today we're going to talk about "Advice for the holidays..."

Jo Spots: – Can I go and play?

Teacher: – Jo Spots!... You've only just arrived and now you're going to pay attention to some advice I'm going to give you and your friends Tony, Big John and Annie...

When the sun is high and hot, find a fresh shady area, under the school's eaves or a big tree. Drink lots of water, especially when it's hot.



Colour in this drawing using the colours you can see in the opposite picture.

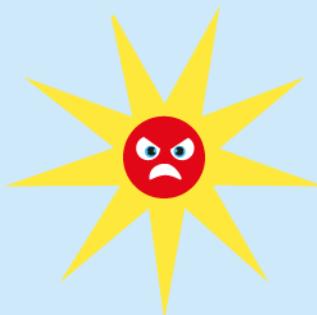


Time to play “Sun and Shadow”.



10 a.m.

The sun is still low.
The shadow of the house is
bigger than the house itself.
So, Jo Spots can play tennis
with Tony in the shade and
they are protected.



1 p.m.

The sun is red
and hot.

Notice that the
shadows are smaller
than the objects
themselves. Drink
a lot of water and
rest in the shade
or inside.



6 p.m.
The sun is lower again.

Now, Jo Spots and Big John can play basketball in the shade.



Time to play “Sun and Shadow”.

Safest times of the day:

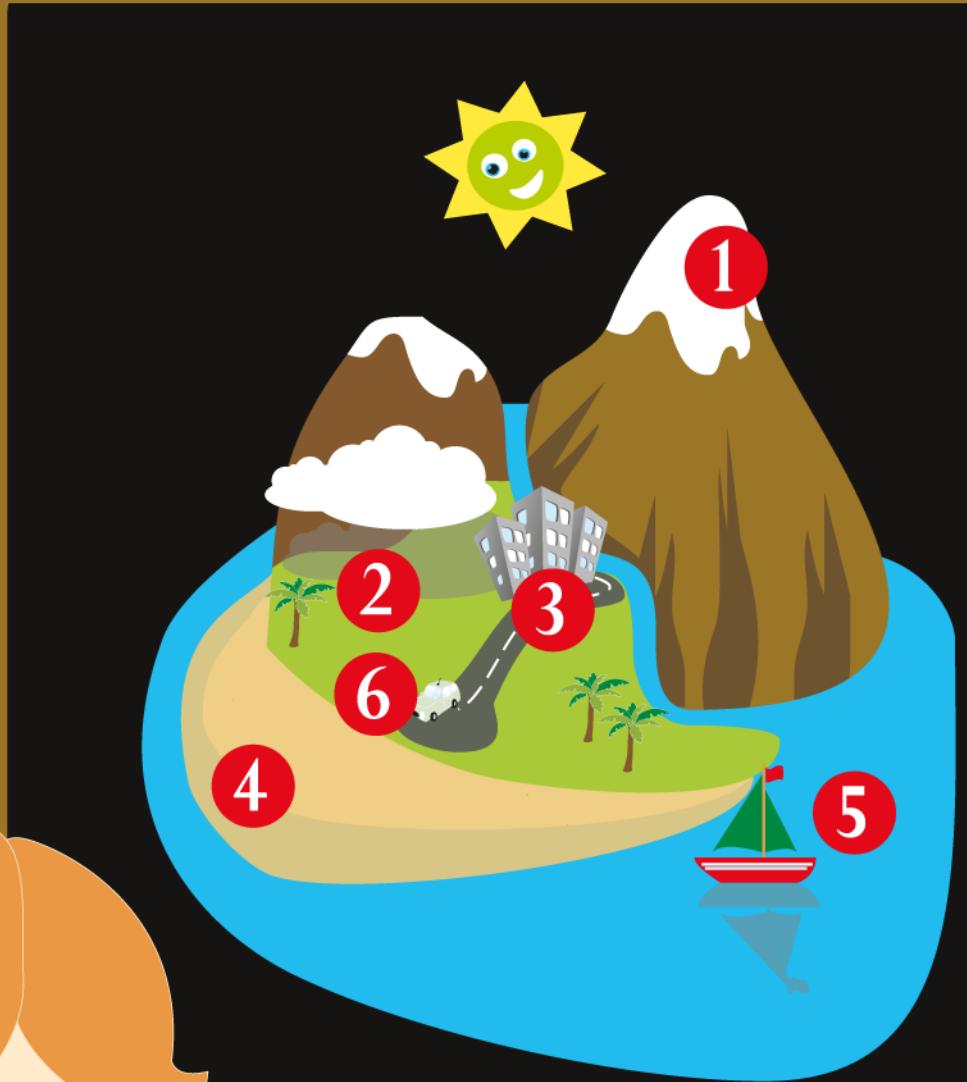
- From early morning until 11 a.m. and late afternoon, after 5 p.m.
- Shadows are bigger than the objects themselves.

Risky times of the day:

- Between 11 and 12 a.m. and between 4 and 5 p.m.
- Shadows are the same size as the objects.

The most dangerous times of the day:

- Between 12 a.m. and 4 p.m.
- Shadows are smaller than the objects.



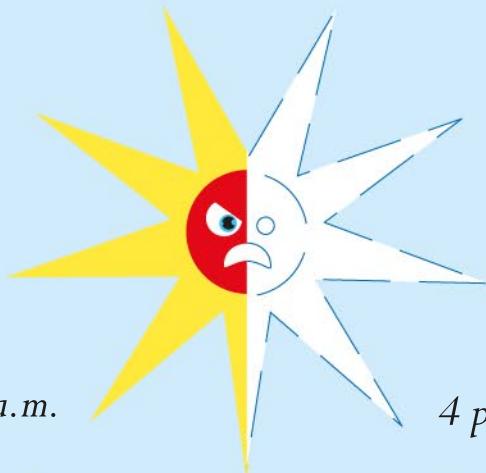
Ultraviolet radiation (UV) Intensity and Reflection

1. The intensity of the UV increases with the altitude. Snow can reflect up to 85% of the UV.
2. 80% of the UV pass through clouds.
3. 20% of the UV can be reflected in grass or cement.
4. Dry sand reflects 20% but wet sand can reflect 40%.
5. Water reflects up to 50% of the UV and more than 50% of the UV reach by 50 cm of depth.
6. Glass filters the UVB but it allows penetration of the UVA.



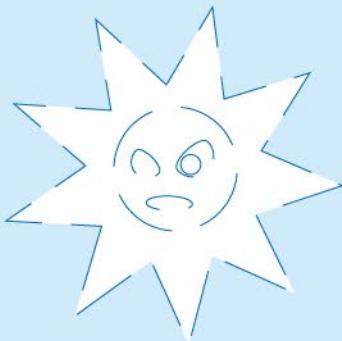
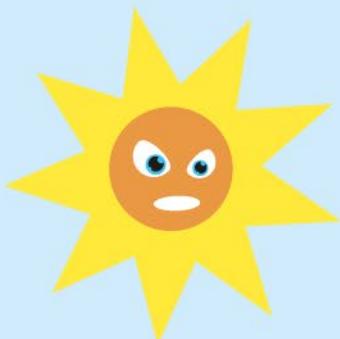
It means that, even in the shade, I have to protect myself from sun burning...

Complete the drawing and colour in the “Solar Symmetry”



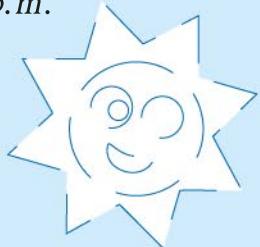
12 a.m.

4 p.m.



11 a.m.

5 p.m.



10 a.m.

6 p.m.



8 a.m.

8 p.m.



Which color of the traffic light corresponds to my skin?



Red:

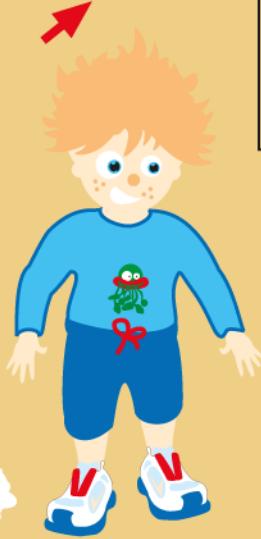
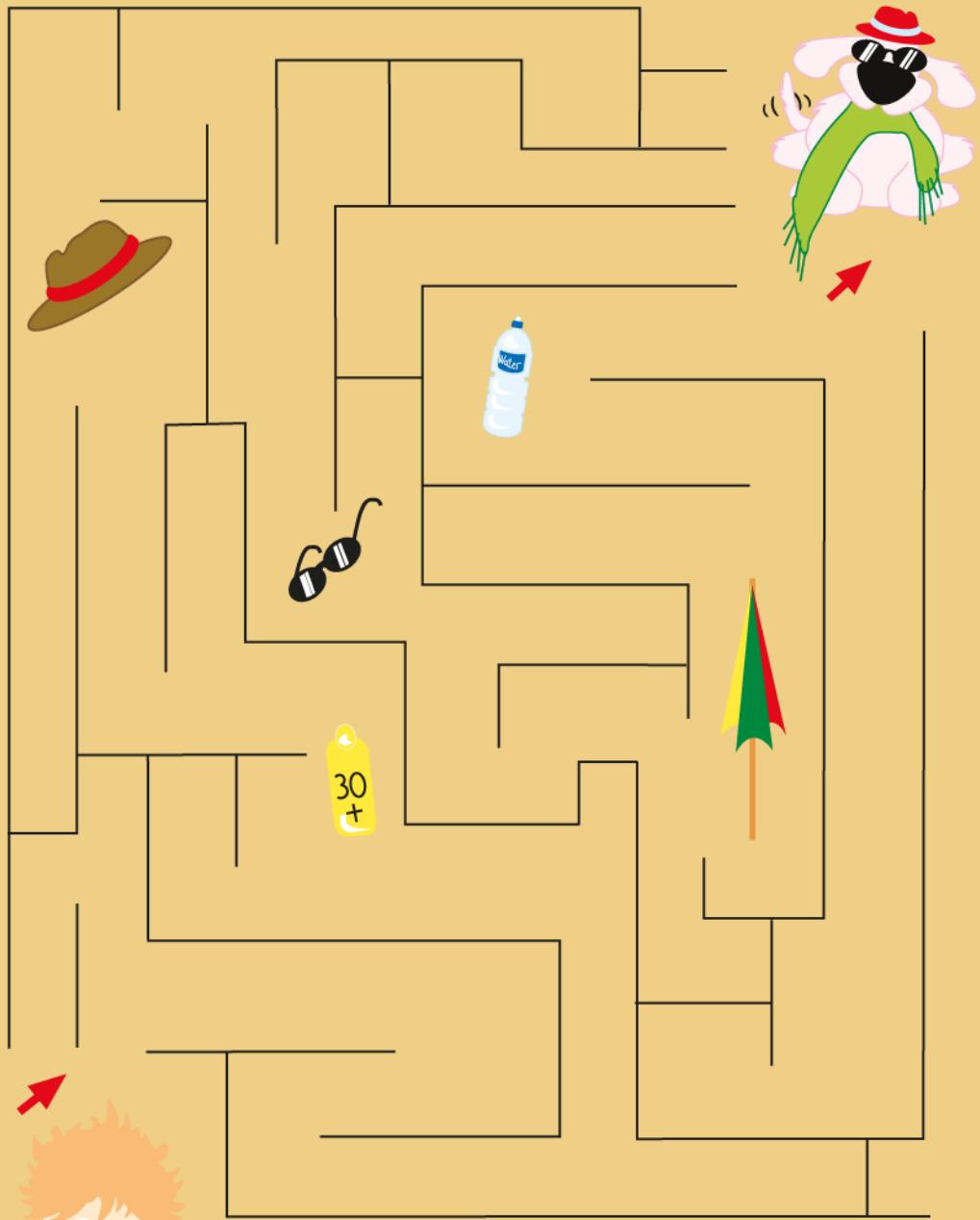
- If you have red or blond hair, green or blue eyes and light skin with or without freckles, you will go red easily. So, you must be very careful with the sun!...
- Examples: Jo Spots, Albi and Claire.

Yellow:

- If your hair and eyes are brown and you go brown easily, you must also be careful with the sun.
- Examples: Tony and Annie.

Green:

- If your skin and hair are dark or black, even though you don't usually burn in the sun, you shouldn't stay out during dangerous times of day.
- Example: Big John.



Find and mark the way that Jo Spots has to go, so he's protected from the sun when he goes to the beach with his dog Ruffles.

Mark with an X the clothes that Jo Spots should wear to the beach.

You can dress Jo Spots by colouring him with the right clothes.





The Family on their way to the beach...



Grandma: – Jo Spots, Claire! Have you put on your sunscreen?

Jo Spots and Claire: – Yes... Grandma... Before we get dressed we always spread sunscreen on any area of our skin which is going to be exposed to the sun.

Grandma: – Children... Take care in the sun. Keep your hats on and play in the shade.

The family at the beach...



Mommy: – Jo Spots, you know very well that it's important to put on more sunscreen because you've been swimming. The best thing would be to put on your t-shirt and stay in the shade playing with your sister Claire and Daddy Jo.

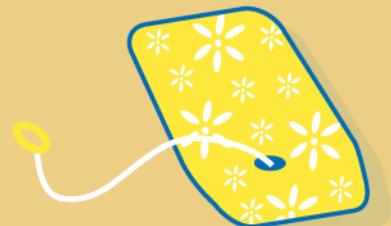


I have dark skin...
I don't get red nor even burn
in the sun... So, I don't have
to protect myself.

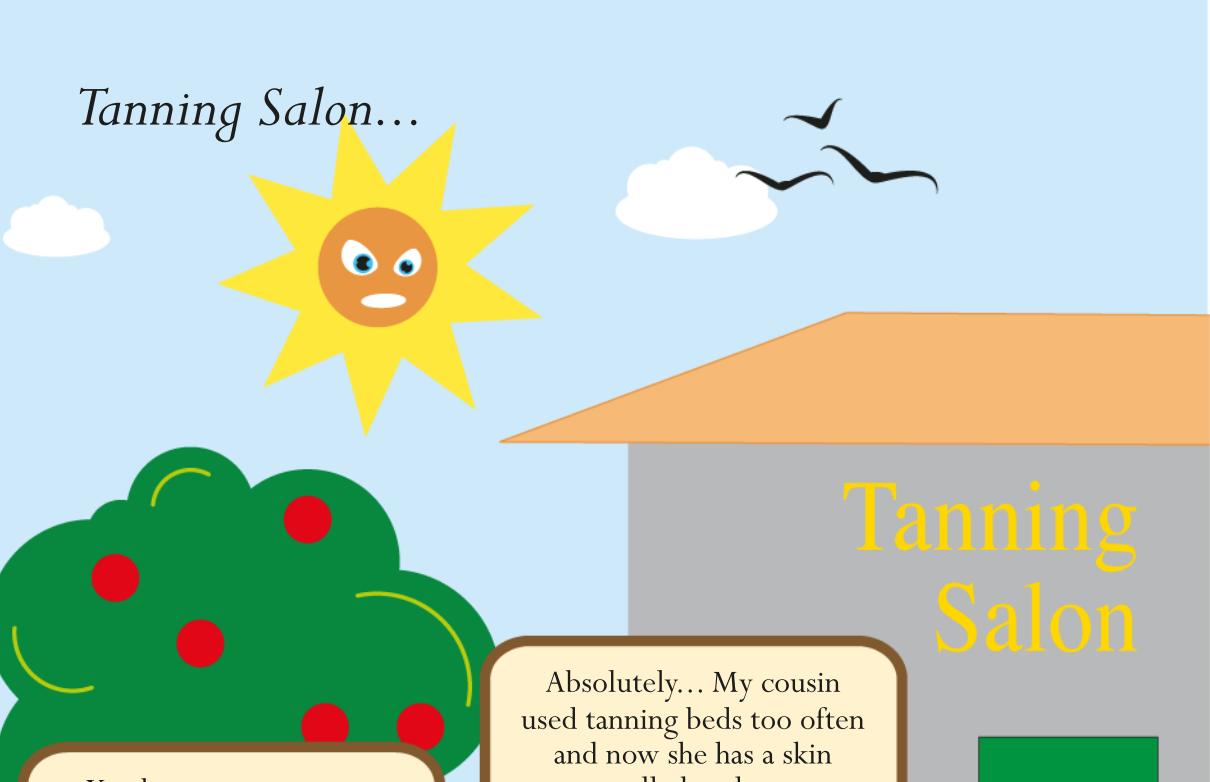
You're so WRONG! Just
because you don't get red
don't you think you're
safe, even you have to
protect yourself!



I am albino, I have very
white skin and light hair, I
should wear clothes on
sunny days and apply a very
high protection factor
sunscreen on my face and
hands, when I am playing...



Tanning Salon...



You know, my aunt was always too exposed to the Sun. Now she has wrinkles and has aged too much!...

Absolutely... My cousin used tanning beds too often and now she has a skin cancer called melanoma...

Watch out... The truth is... All people should avoid tanning beds and sun burns... We have to protect the skin for lots of reasons...





*I'm going, I'm going
I'm going to the beach, I'm going...*



Sing the “Summer song” with Jo Spots...

I'm going, I'm going
I'm going to the beach, I'm going...

I'm going, I'm going
I'm going to the beach, I'm going...

Little birds are singing
It's the break of day
The sun starts shining
It's time to play.

I wake up early
I feel good
I eat milk and flakes
Like a good boy should. I wash my face and teeth
In two seconds flat
I spread on lots of sunscreen
And wear my hat
And I'm ready...

I'm going, I'm going
I'm going to the beach, I'm going...

Tennis and football
I like to play
But I'm not allowed
To run around all day.

An hour after eating
Exercise is banned
So, I sit down
And play in the sand. I'm careful in the sea
When I swim or wade
And when it's really hot
I sit in the shade.

Hey!... It's time to go home.

I went, I went, I went
To the beach I went...

I went, I went, I went
To the beach I went...

Look at Jo Spots and his friends. Their shadows are much bigger than they are. So, it's the ideal time to play in the sun or go to the beach.



*larger shade means
right time to play...*



Using the small picture as an example, point out the eight items missing from the main drawing.

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____



Solutions: Seagulls, towel, Jo Spot's hat, sunscreen, bag, t-shirt, green sun and sun umbrella.

The top picture is correct.

The picture underneath has 10 differences for you to spot, which are not correct.



wrong sunscreen, t-shirt, wrong shorts and flip-flops.

Solutions: sun, boat, rough sea, sunshade, los spots hat, los spots sunglasses,

“On a windy or foggy day, the sun hides away”...



Jo Spots: – Ruffles... How did we get so red?

Ruffles: – I don't understand it... it was windy and there were so many clouds!... To be honest, I didn't even see the sun. But, I saw on TV that the **UV** was high!

Jo Spots: – But my teacher reminded me that on foggy days the sun burns without us noticing, so we mustn't forget: *“On a windy or foggy day , the sun hides away”...* You know, Ruffles... the temperature may not be strong but the **UV** sometimes are high; sunburns occurs more frequently in those days...

Regarding **UV** (Ultraviolet):
The UV index ranges from 1 to 11.
It is considered high if the index is higher than 5. Do not forget to see the temperature and the **UV** index when we want to play, do sports or work in the sun.

www.ipma.pt



Summer fashion!

Uhmm!... It's a temptation!



Did you know that...

Concerning clothing and sun protection:

- Avoid porous fabrics, the more transparent the less they protect
- For light clothes prefer dark colours
- Never expose the most sensitive skin

About the sunscreen (always 30+):

- Its effectiveness begins after 30 minutes of the application (do not forget to apply it before going out)
- Reapply after bathing
- It must not be used to stay even longer in the sun
- Always use sunscreen that is cream or milk and never fluid or invisible spray
- If the skin is very sensitive use sunscreen 50+, in cream or milk
- For younger children or allergic people choose mineral sunscreen

Don't forget:

- At school or in the garden, at the pool or at the beach, the sun is all the same, so, you must protect yourself whenever you're sun exposed.

Spots Fashion

These outfits are trendy, fresh and even protect us from the Sun!!...



The Ugly Duckling!

Did you know that...?

All of us generally have moles and lots of them are called “*naevus*”.

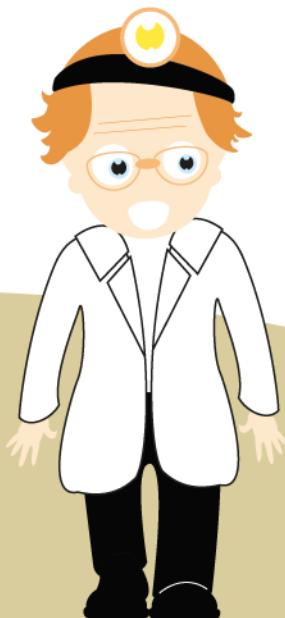
The “*ugly duckling*” is a “*naevus*” which:

- A): Is asymmetric (one half is different from the other)
- B): Has an irregular edge (or border)
- C): Has different colours or becomes very dark and different from the others
- D): Is more than 6mm diameter
- E): Has changed a lot recently (evolving)

And if one appears, Mommy will say:

- In six months I'll check to see if it has grown.

With this A,B,C,D,E rule, it will be easy for your parents to help you keep an eye on your moles. **Children only need to do this twice a year, but adults every two months....**



1. In front of a mirror, examine all of your body, front and back.



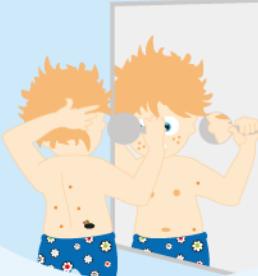
2. Raise your arms and check your armpits and the palms of your hands.



3. Also check your legs, feet and the spaces between your toes.



4. With the help of 2 mirrors, examine the nape of your neck and the back of your ears.



5. Finally, check your back and buttocks using a mirror.



In this “word search” try to find the names of the eight main characters from this book.

Jo Spots, Big John, Annie, Claire, Tony, Carol, Albi and Ruffles

J	o	S	p	o	t	s	h	o	q	g	u
g	u	q	m	e	b	d	f	k	v	x	b
v	d	f	B	P	v	m	u	q	u	k	f
C	l	a	i	r	e	h	a	v	g	m	d
a	d	k	g	n	g	m	u	b	x	f	v
r	m	v	J	t	f	d	k	m	T	m	g
o	b	k	o	a	k	u	v	g	o	b	m
l	g	v	h	s	g	s	A	n	n	i	e
g	b	k	n	x	q	g	x	d	y	q	f
u	R	u	f	f	l	e	s	u	n	k	v
Q	k	v	f	q	x	m	b	k	i	m	q
A	l	b	i	u	q	f	v	b	f	v	g

A	l	b	i	u	q	f	v	b	f	v	g
l	k	v	J	q	x	m	b	k	i	m	b
u	R	u	f	f	l	e	s	u	n	k	v
Q	b	k	n	x	q	g	s	A	n	n	i
A	o	p	K	o	a	K	u	V	g	o	b
m	w	J	t	F	D	K	m	u	g	m	p
g	w	g	g	m	m	u	p	b	s	A	n
a	D	K	g	u	g	m	b	k	i	m	q
D	I	a	i	r	e	h	a	V	g	m	p
F	B	P	a	m	n	u	K	J	g	u	b
B	D	F	P	D	J	K	A	X	P	g	o
P	Q	S	O	P	T	S	H	O	S	P	o

Complete the following sentences:

When Jo Spots wakes up, he has his breakfast and washes his face and brushes his _____. He never forgets to put _____ on the skin which is going to be exposed to the sun. Before going out, he puts his _____ on. In the garden, he looks for the tree's _____.

When he arrives at the beach, he plays ball with his friends and makes castles in the _____. When he's dry, he never forgets to put on his _____ and his _____. It's a good time for a little snack under the _____.

The sun starts heating up, Jo Spots's shadow gets smaller...
It's time to go home.

Read this message in a mirror and find out what your friends are telling you...

Learu of sun with the sun
Habqas Holiday as



Dear reader:

In this publication you will meet your new friend Jo Spots. Jo and his friends are going to give you lots of good ideas of how to enjoy fun, peaceful holidays...

When you read this book you will see how easy it is to play outside during Summer, without getting burnt. And remember... each time you get burnt, more moles will appear. The more moles appear, the more care you should take with the sun. There's a good reason for being well protected.

