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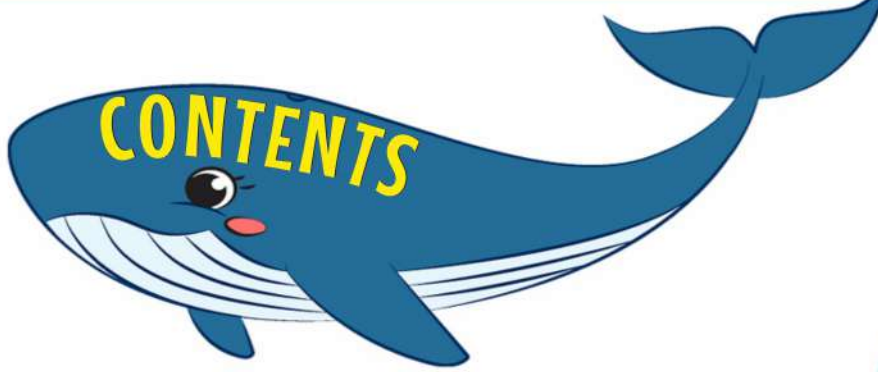
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Mag

THE FROZEN ENDS





## FROM THE PRINCIPAL'S DESK

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"The mind is a garden waiting to flourish. Cultivate it with curiosity, nurture it with knowledge, and let your thoughts bloom with creativity" As most growth begins with a seed, all learning emanates from a thought. A single thought can be the source of an entire plethora of learning on a subject. Being able to broaden one's horizons and being aware of how little one knows may be the first step toward achieving knowledge. We, at PIS attempt to kindle this mental spark in our students via the *Qurio Mag* every year. The theme on Poles-- The Frozen Ends gives the students an opportunity to explore and delve deeply into the life and conditions in the North and South poles. The climate, the flora, the fauna and how the poles impact our lives. While learning about facts, it also allows them to express themselves creatively using different forms of artistic expression.

I congratulate all the team for their hard work and dedication to making this magazine. I am sure that positive attitude, hardwork, sustained efforts and innovative ideas exhibited by our young children will surely stir the minds of the readers and take them to the fantastic world of unalloyed joy and pleasure.

Mrs. Minal Vaidya  
PIS, Manjri


# Did You Know?

The average ice sheet thickness in Antarctica is 1 mile.

When you are standing on the North Pole, any direction you point is South.



There is no land in the North Pole.



The date is different on different sides of the North Pole.

More than 300 large lakes exist underneath the ice sheet in South Pole.




Antarctica nearly doubles in size in the winter months.

Antarctica is the only continent without reptiles and snakes.



There is no land in the North Pole.



Both the Poles do not have a time zone.

The North Pole does not belong to any country.

Sled dogs have been banned from Antarctica in 1994.

The largest recorded iceberg in South Pole was bigger than Jamaica.

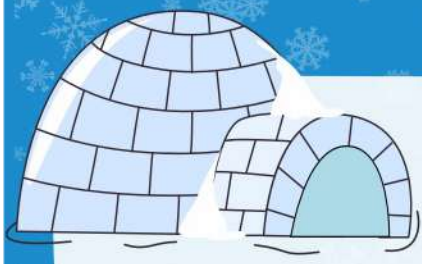
At the North Pole, the sun rises and sets just once a year.



NORTH POLE



SOUTH POLE



## If I lived in an Igloo...

If I lived in a igloo it would be very cold first. I would make a fire to stay warm

I would have played with lots of ice and make a different kinds of shapes.

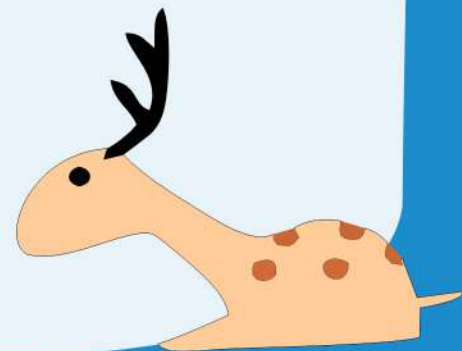
I would have a hot coco coffee in igloo.

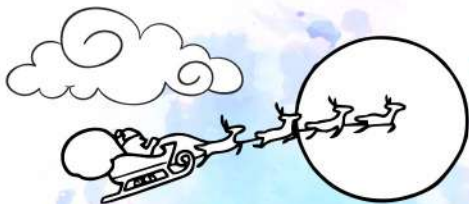
Its be fun to live in an igloo.

I am so happy to live in an igloo.



Vivaan Phate Class I





# The Elves Save the Day!



I  
†

"Jessica will be heartbroken if she gets a stuffed puppy dog instead of a teddy bear," said Santa. "Why don't you and the elf emergency crew meet me at my next stop and bring Jessica's teddy bear."

was the biggest moment of the year at the North Pole. All eight reindeer were hitched up, and Santa's sleigh was flying across the Christmas Eve sky.

So Bud and the elf emergency crew took off on their flying reindeer with the teddy bear to meet Santa's sleigh.

The elves waved good-bye, cheering for Santa and the reindeer as they began their trip to deliver toys.

They flew all around the world until Bud spotted Santa's sleigh on a house rooftop delivering toys.

Well, let's go back to the workshop," Burt said to the elves. "It's time for us to clean up for the day."



†  
f  
d



As the elves put away their tools and swept the floor, Bud realised that a teddy bear little Jessica wanted for Christmas had been left behind.

"There's Santa's sleigh!" exclaimed Bud. "Let's go!"

The elf emergency crew quickly landed their reindeer on the rooftop and Bud delivered the teddy bear to Santa Claus.

"Ho! Ho! Ho!" Santa laughed. "Jessica will be so happy to receive this teddy bear. You elves have saved the day!"

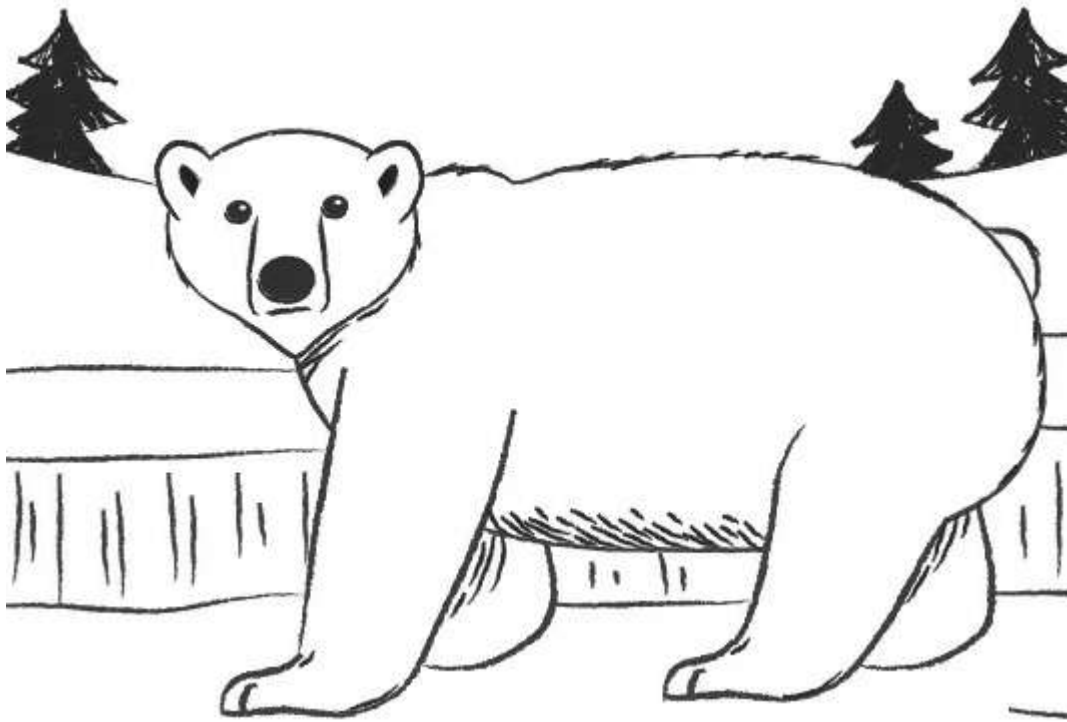


"Oh, no!" Bud said. "We accidentally put a stuffed puppy dog in Santa's bag for Jessica instead of a teddy bear!"

Bud quickly called Santa on the reindeer radio to tell him the bad news.



# Animals of the Arctic and Antarctic



Payal More Class VI



Shreya Kasle Class III



# Riddle Time!

2.

These keep your hands warm and nice and protect them from cold ice.



3.

I'm big and white and furry  
And I like to swim and run  
I eat seals for my meals



5.

If you went to Antarctica you would see a lot of me  
I float on top of the water  
Am as cold as it can be.



6.

If you come to the Arctic you will see me everywhere, I am pulled by huskies to slide downhill. What am I?



8.

You can slide down the mountain when you put me on, I can be made from plastic, steel & sometimes I'm wooden. What am I?



Answers:  
1. Snow, 2. Gloves, 3. Polar Bear,  
4. Northern lights, 5. Ice, 6. sledge,  
7. Penguins only live in Antarctica, 8. Skis



# If I Came across a Polar Bear...



If I come across a polar bear, I will be more than happy to touch the softy softy fur. Although it is carnivorous, I will carry some nice nonveg food for him and will make friendship with him.

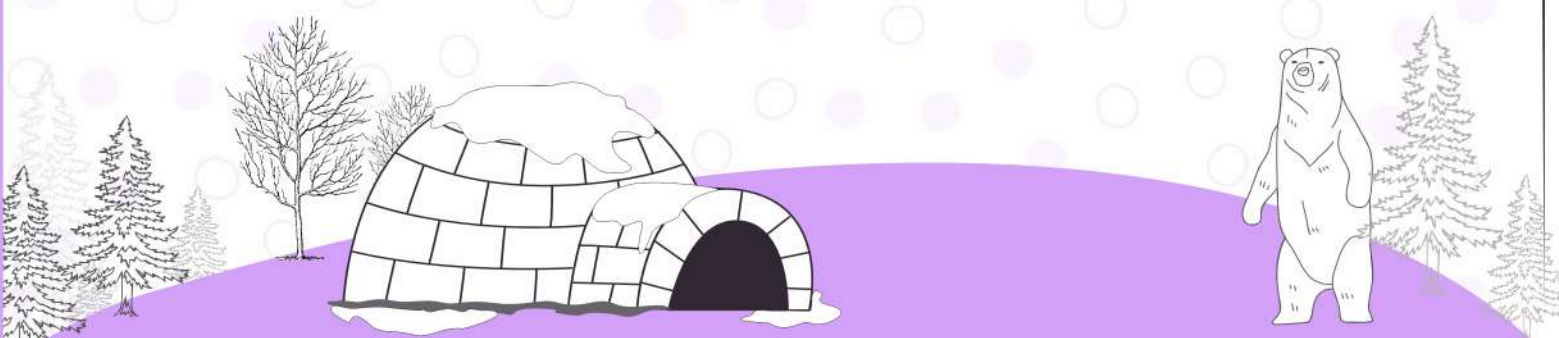
As polar bears are usually solitary animals, but often play or sleep together cubs and young polar bears playfight to practice their adult years. When they compete for food, I will be glad to see the playfight with their adult friends.

I like to play with ice so i will ask my friend Polar bear to play with me.

I will also take a snap with Polar bear as a part of excited memory.



Adya Biradar Class V





# Interesting Facts About Penguins

The black and white "tuxedo" look donned by most penguin species is a clever camouflage called countershading.

*(When swimming, the black on their backs helps them blend in with the darkness of the ocean from predators viewing from above. Their white bellies help them blend in with the bright surface of the ocean when viewed by predators and prey from below.)*

Penguins evolved to fly underwater.

*(Most birds have hollow, air-filled bones to help them stay light for flight. Penguins adapted with solid bones instead. This helps them swim because solid bones reduce buoyancy—the tendency to float.)*

Many male penguins gift female penguins with rocks in order to woo them.

*(The ladies use these rocks to build a nest.)*



Penguin feet are adapted to walk long distances.

*(Some species of penguins can march up to about 60 miles across sea ice to get to their breeding grounds. Penguin feet are also adapted to help the birds steer while swimming. They use their feet like rudders, angling them to help control direction.)*

Contrary to many popular holiday cartoons, you'll never see penguins and polar bears together in the wild.

*(That's because penguins live south of the equator while polar bears north of the equator in the Arctic!)*

A penguin's thick feathers aren't the only way this bird stays warm.

*(A gland near the base of its tail provides waterproof oil. Penguins spend several hours each day covering their feathers with this oil and give extra attention to the task before swimming.)*



Penguins may huddle together for several reasons.

*(This behaviour helps these birds protect themselves from predators. In frigid habitats, huddling helps penguins retain warmth.)*

# Glaciers and Climate Change

वनराई ती रडत होती,

माणसा तू हे काय केलंस विचारत होती.

प्लास्टिक पेपर वापरणे थांबवत नाही कोणी,

झाडे का कमी झाली हे विसरतात सगळी.

पाऊस झाला कमी, दोष देवाला देती,

वृक्षवल्ली आम्हा सोयरी फक्त पुस्तकात गाती.

दररोज रॉकेट उडवतात आकाशात,

म्हणे ओझोन समतोल त्याला आम्ही काय करणार.

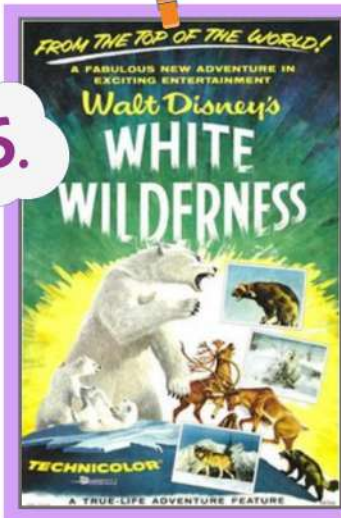
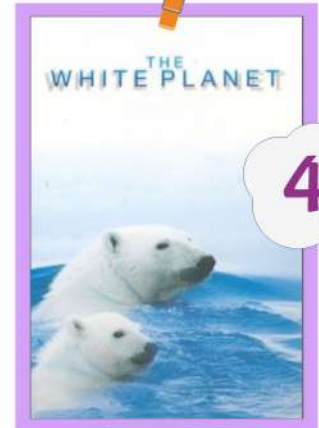
दरवर्षी उन्हाचा तापमान वाढतोय,

हिमालय जरी वितळला तरी आम्ही काय करतोय.

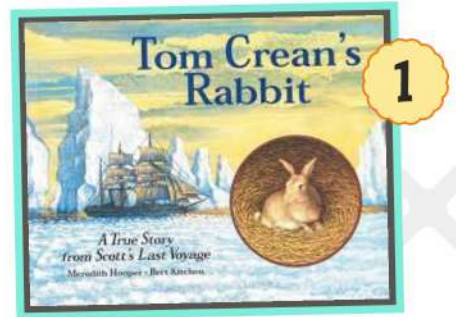
सगळी जंगले आणि प्राणी फक्त बागेमध्ये राहिले

सिमेंटच्या जंगलात मात्र यांचा श्वास हरवले.

# Movie Recommendations



# Book Recommendations



**Tom Crean's Rabbit**  
By Meredith Hooper



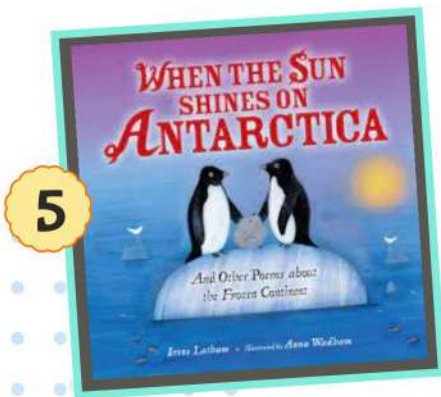
**The Mystery in Icy Antarctica**  
By Carole Marsh



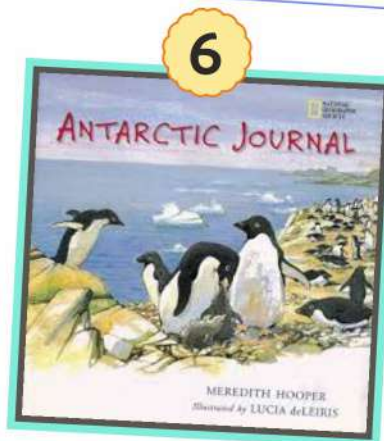
**Antarctica**  
By Helen Cowcher



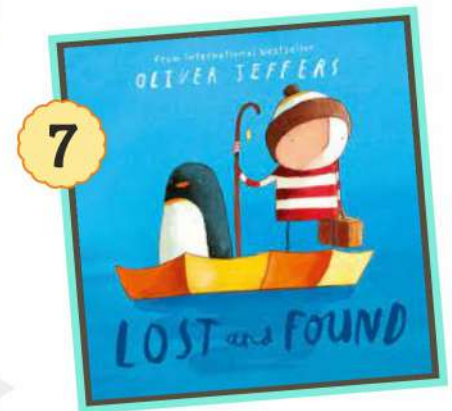
**Ice Wreck**  
By Lucille Recht Penner



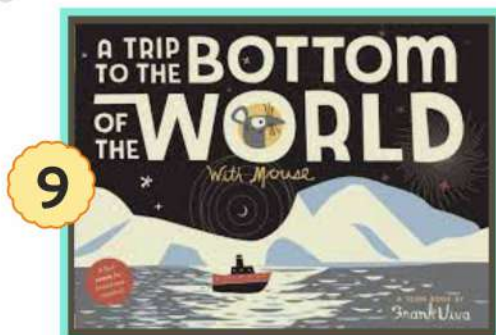
**When the Sun Shines on Antarctica**  
By Irene Latham



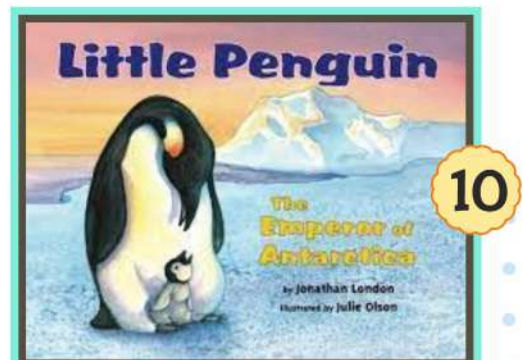
**Antarctic Journal**  
By Meredith Hooper



**Lost and Found**  
By Oliver Jeffers



**A Trip to the Bottom of the World with Mouse**  
By Frank Viva



**Little Penguin the Emperor of the Antarctic**  
By Jonathan London

# Review

## Movies & Books

Title of the Movie/Book:  
The story of the Snow Children

**Movie/Book Summary:**  
A lovely winter tale of magic and friendship short enough for a quick bedtime read and magical enough to use a base for imagination and creativity. This is a favourite when we are steering clear of Disney Princesses but need a dose of royalty in our lives.

Movie/Book Reviewed By:  
Pooja S.

How many hearts do you give this movie?  
1 heart means the movie was really bad. 5 hearts means it was great!



Title of the Movie/Book:

The Christmas Chronicles

**Movie/Book Summary:**  
This movie is really great. Kurt Russell as Santa is excellent. The cast is great, acting and effects are amazing. The elves are so funny and cute. The elves really make this film with their cuteness and humour. All of the special effects are really good. It is my all time favourite Christmas film. A heart warming story of a family torn apart by loss, being brought back together through Christmas love and

Movie/Book Reviewed By:  
Aaditya Sasture      Class V

How many hearts do you give this movie?  
1 heart means the movie was really bad. 5 hearts means it was great!



A sense of exploration is a quality that many people look for in careers. Some people are passionate about adventures and enjoy investigating the world around them. If you're among those who dream of exploring the North & South Pole then a few career options are available that will allow you to explore, know and see the continent in all its moods.

Atmospheric Physicist

Biologist

Ecologist

Geologist

Glaciologist

Mariner

Meteorologist

Oceanologist

Scientist



# The Inuit

The term Inuit refers broadly to the Arctic indigenous population of Alaska, Canada, and Greenland.

Inuit means “people,” and the language they speak is called Inuktitut, though there are regional dialects that are known by slightly different names.

Inuit are the descendants of what anthropologists call the Thule people, who emerged from western Alaska around 1000 CE.

They had split from the related Aleut group about 4000 years ago and from northeastern Siberian migrants.

Inuit art, carving, print making, textiles and Inuit throat singing, are very popular, not only in Canada but globally, and Inuit artists are widely known.

Vedant Giram Class VI



# Art from the Poles



"I think because of this Global Warming we will be extinct soon."

"Oh! The glaciers are melting again."

Aaditya S. Class 5





# Spotlight @ PIS

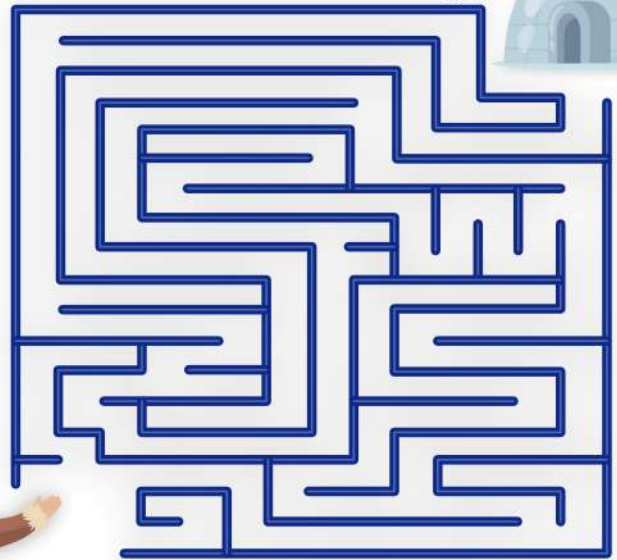




# Brain Play

## MAZE PUZZLE

Welcome home!



Let's find our way to the Igloo.

### Fun Fact

A polar bear's skin is actually black, its fur is also translucent, and only appears white because it reflects visible light.

Complete the word search

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

Note: The words could be horizontal, vertical, diagonal or backwards.

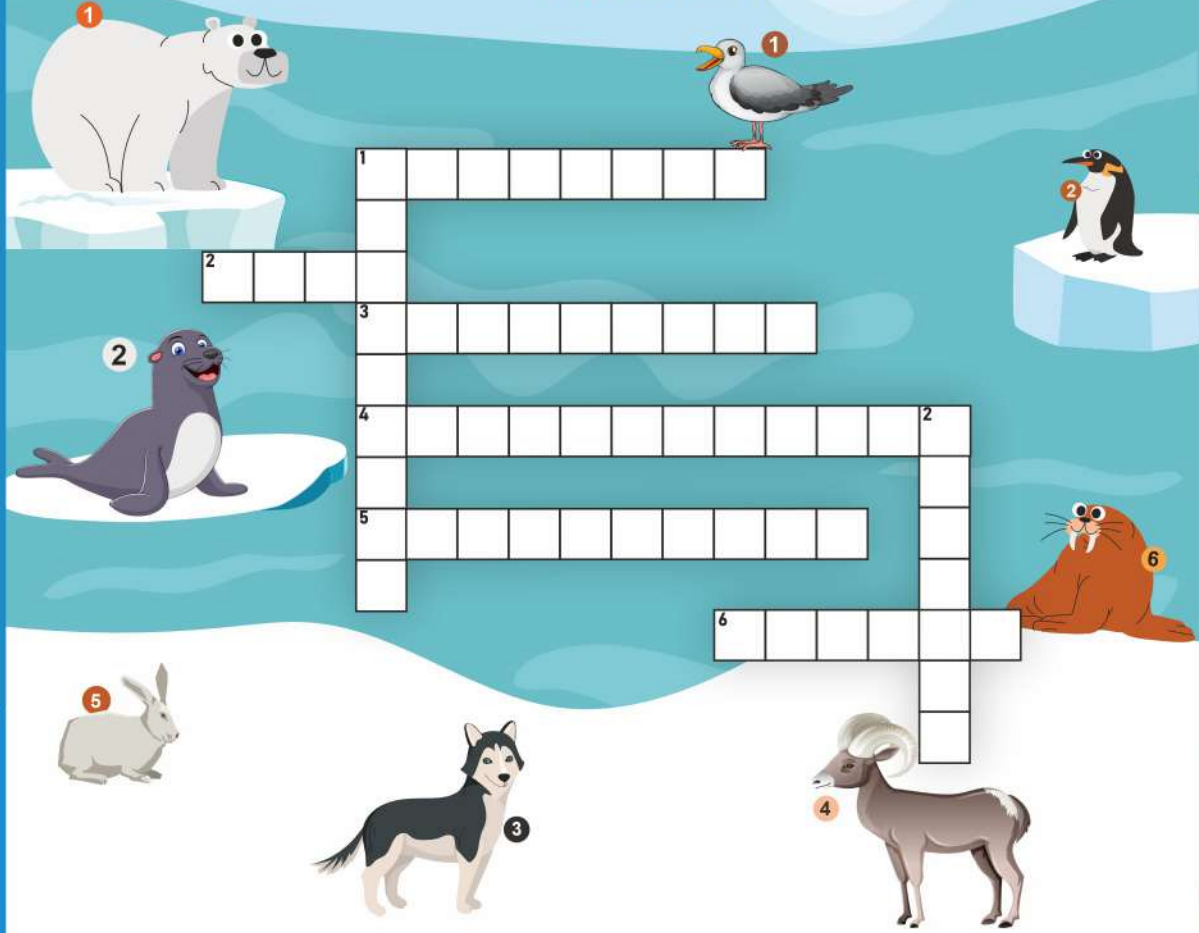
Polar Bear  
Ice  
Darkness  
Antarctic  
Rabbit

Freeze  
Arctic  
Arctic Fox  
Igloo  
Penguin

Seals  
North Pole  
Eskimo

# Crossword

## - Animal -

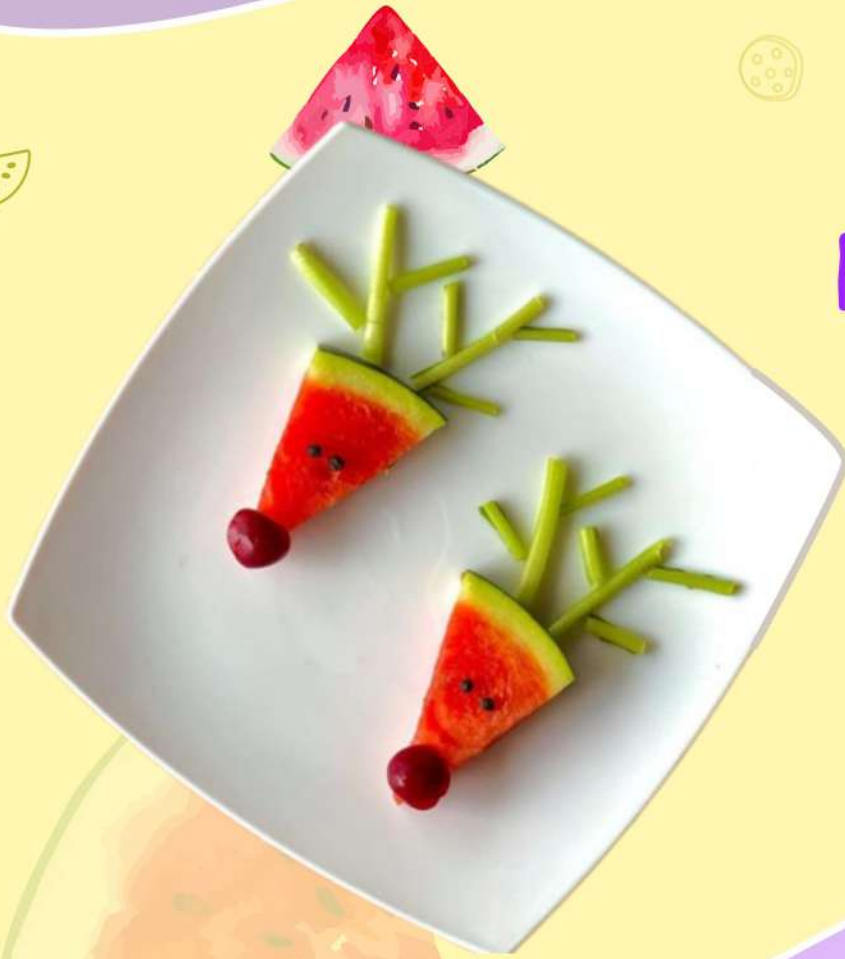


1. POLARBEAR, 2. PENGUIN, 3. WOLF, 4. BIGHORN SHEEP, 5. RABBIT, 6. WALRUS

# Find the difference



# Bites & More



## Healthy Fruit Reindeer

### Ingredients

1. Watermelon
2. Cherry/Black grapes

mmm!

## Yummy Oreo Penguins

### Ingredients

1. Oreo Biscuits
2. M&M / Gems



# Snack it with easy Bread Polar Bear

## Ingredients

1. Bread
2. Butter / Cream cheese
3. Banana
4. Black Grapes



mmm!

a. Melt it..



b. Dip it..



## Delicious chocolate dip Polar Bear

## Ingredients

1. Oreo Biscuits
2. White candy melts
3. M&M / Gems



c. Freeze n decorate!!



