

HEALING



our







HEALING OUR PLANET WITH GOLU

Credits

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ABOUT US

We are a group of students from IISER Pune, India, participating in a synthetic biology competition called iGEM (International genetically Engineered Machine).

Our project involves synthesising industrially important metabolites from light and atmospheric CO₂ through synthetic biology to reduce carbon emissions in light of the ongoing climate crisis. As a part of our outreach initiative, we have created this activity book for children aged 4-8 years to explain climate change.

This book is full of different activities that will help kids understand various factors causing climate change and how they can help by following eco-friendly practices in their daily lives.

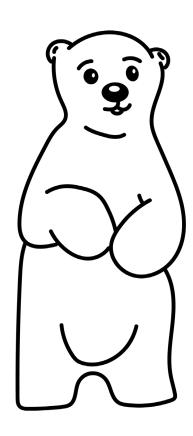




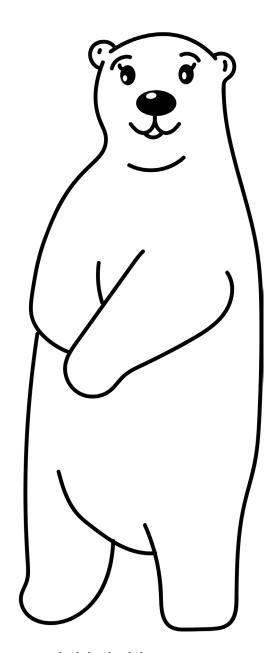




Character introduction



Meet Golu, the curious baby polar bear!

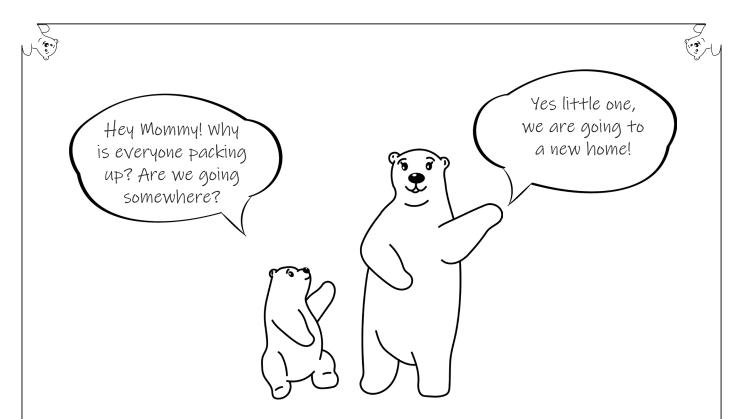


And this is his mommy!

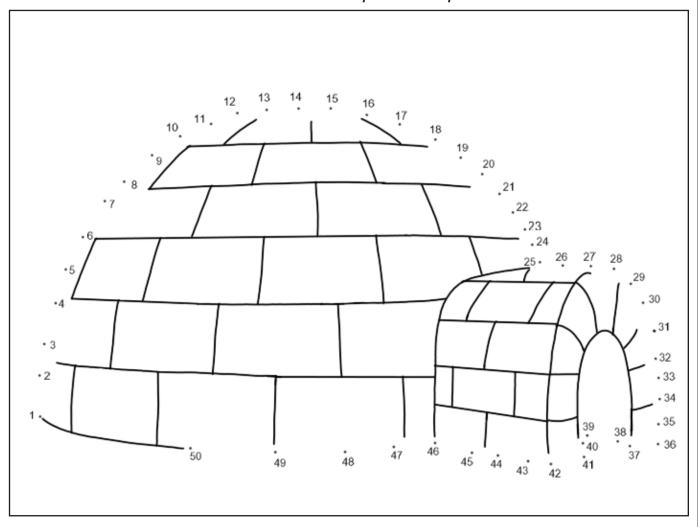
They will take you through an exciting journey around the world to teach you all about CLIMATE CHANGE!







Join the dots to complete the picture!



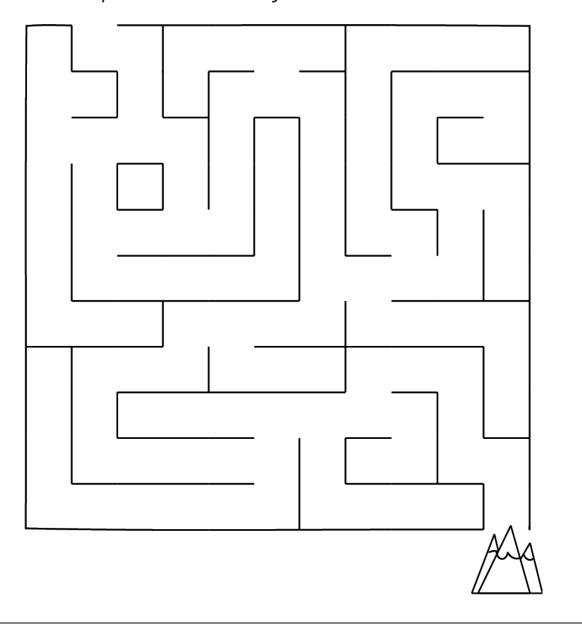


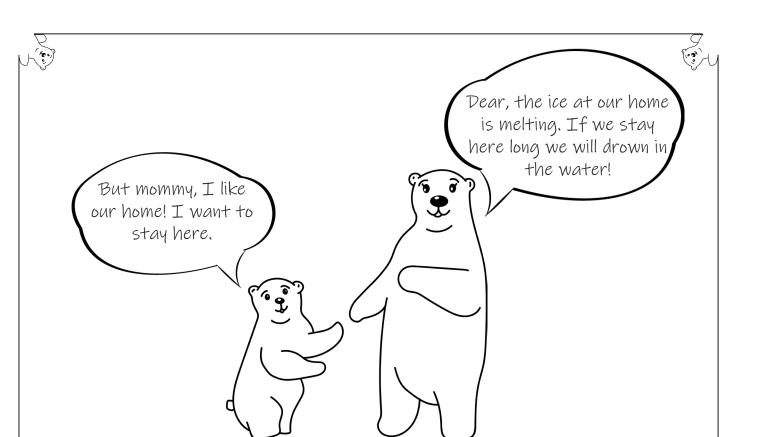






Help Golu and Mommy to reach the mountain.





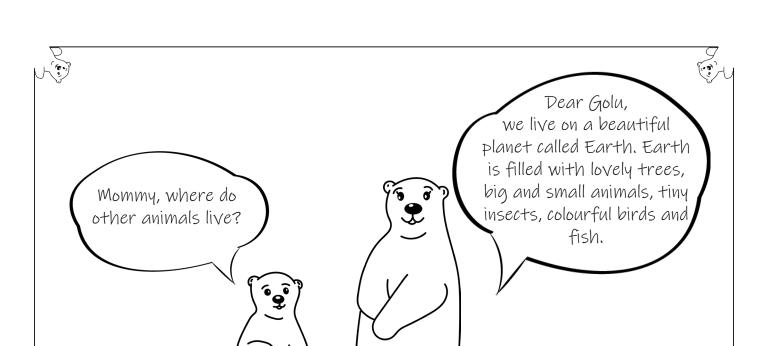
Spot the 5 differences between the two images











Match the words with the pictures.

Bird

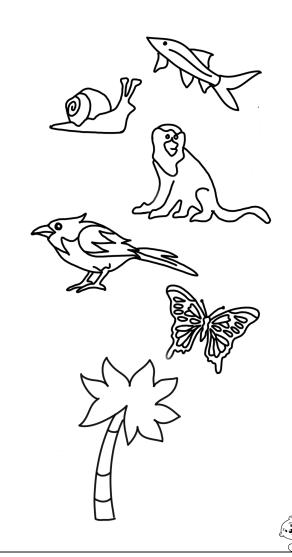
Butterfly

Snail

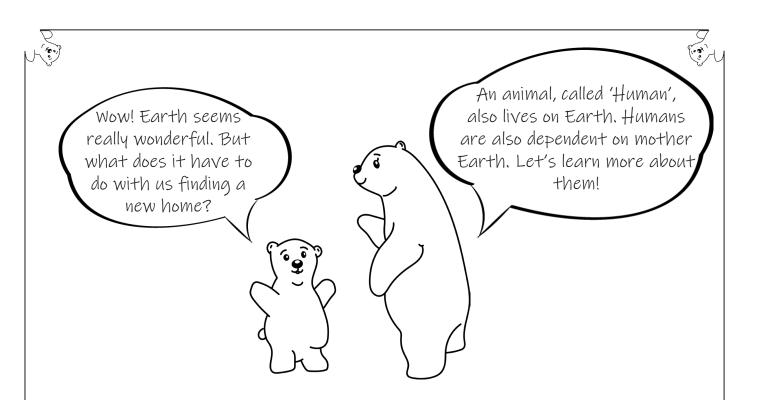
Tree

Fish

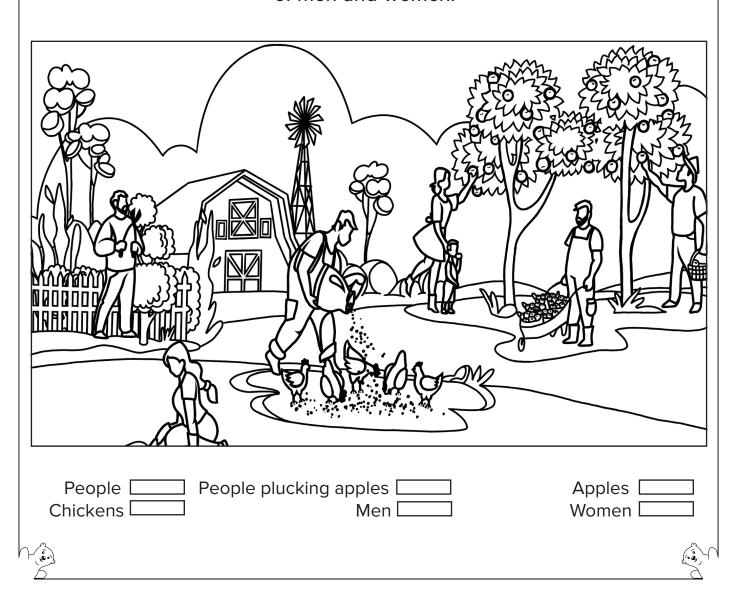
Monkey

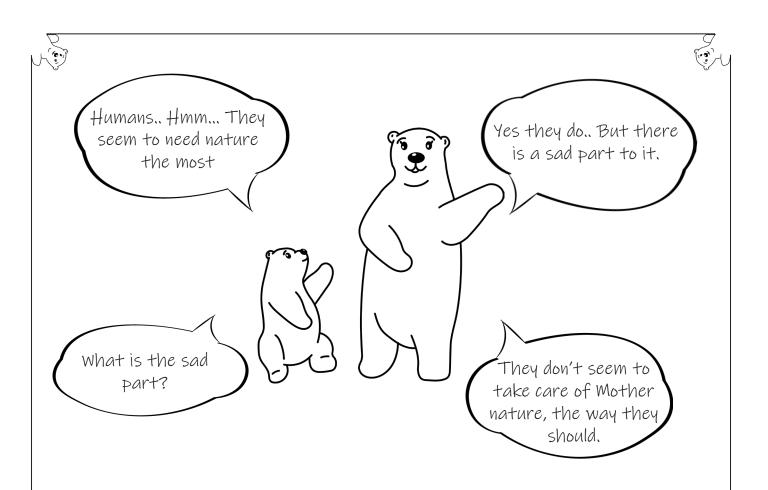




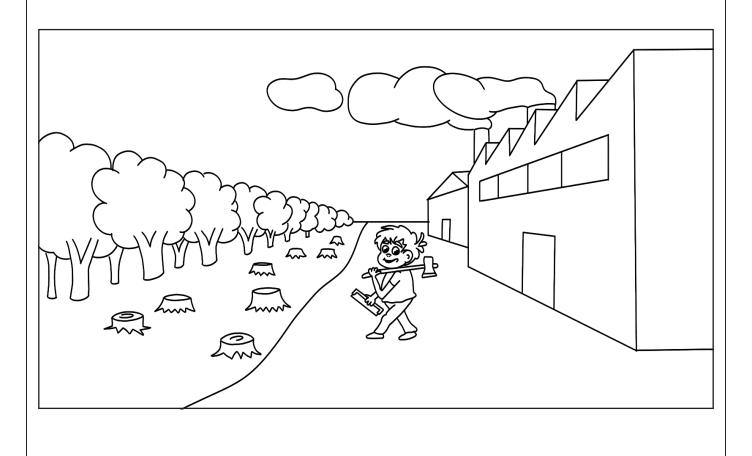


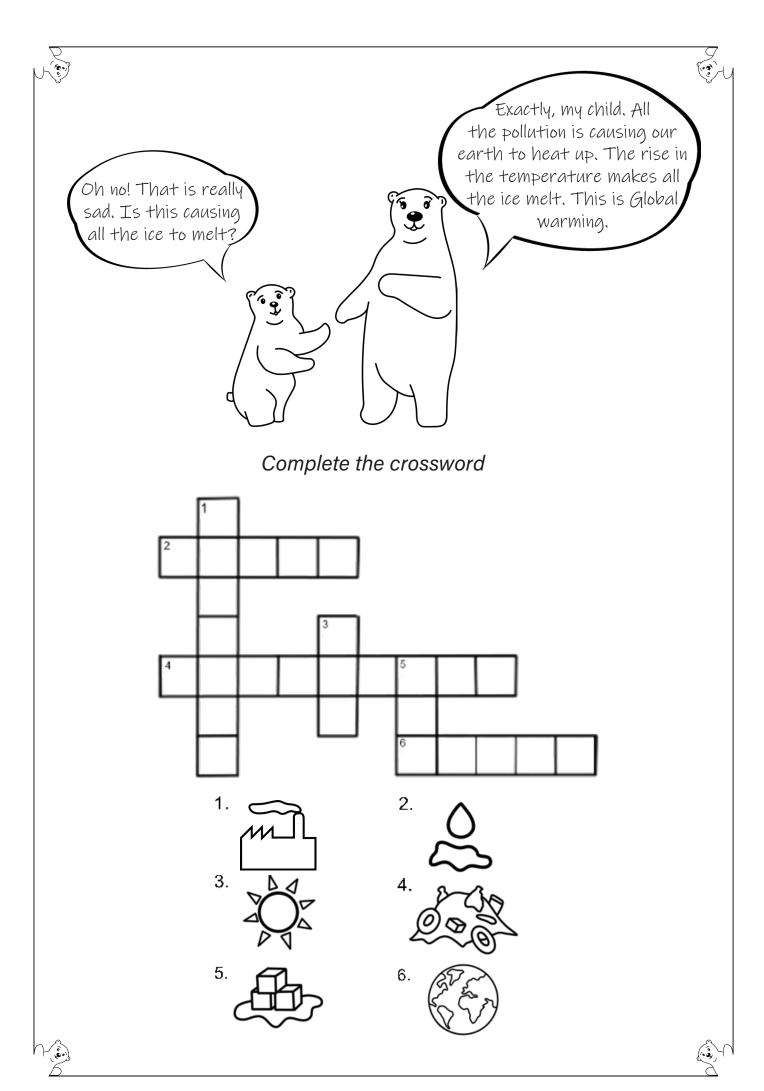
Count the number of people, the number of people plucking apples, the number of chickens, the number of apples in the trees, the number of men and women.





Colour the picture



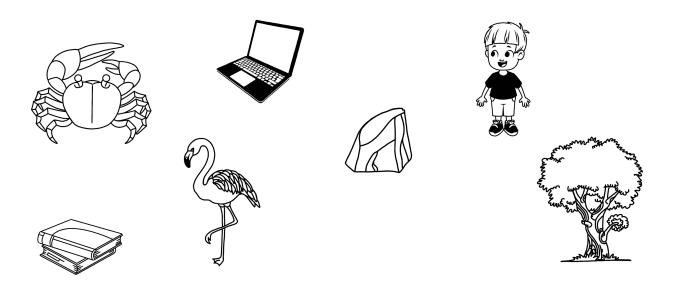








Classify the following into living and nonliving things.



Living	Non living











Colour the picture by using the numbers given below.



1 - Red

4 - Green

2 - Blue

5 - Yellow

3 - Orange

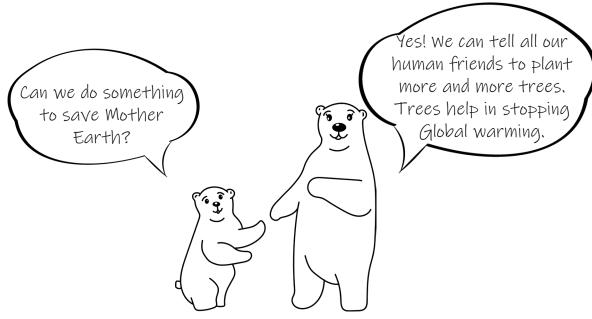
6 - Grey



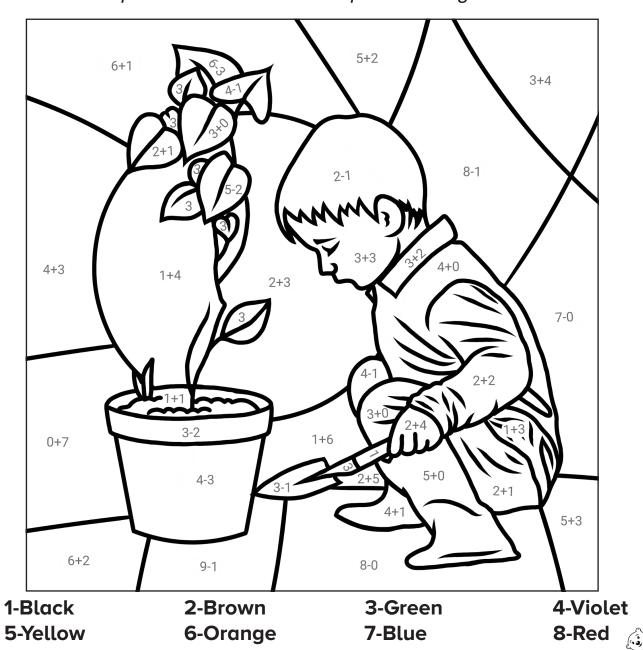






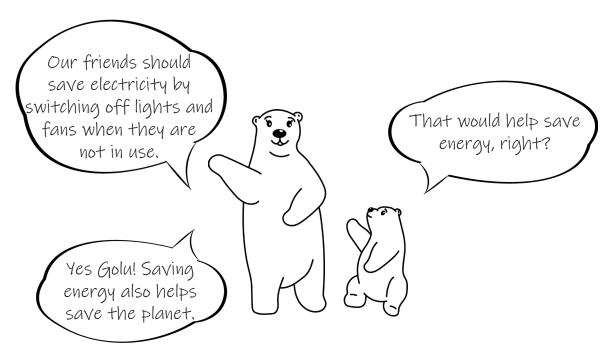


Solve the problems and colour the picture using the answers!

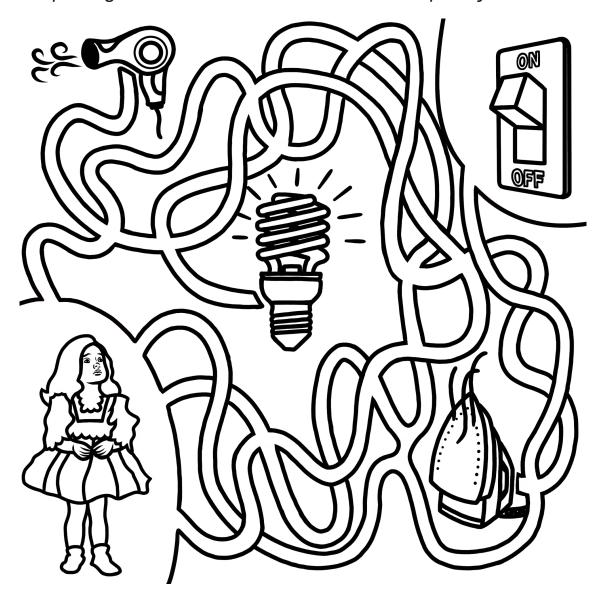








Help the girl to reach the switch so she can quickly turn it off!

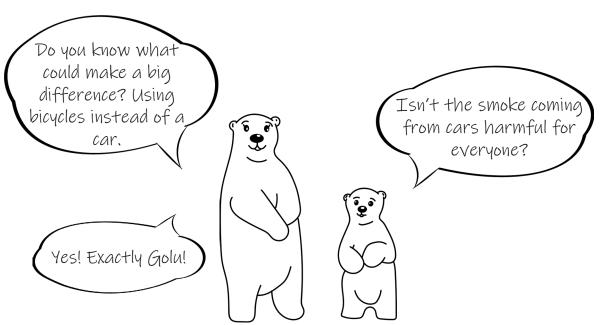




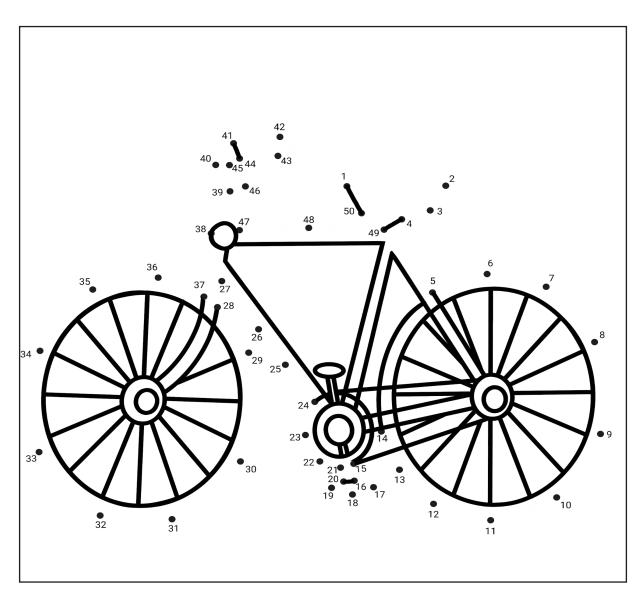








Join the dots by number to make a picture of a bicycle and colour it.

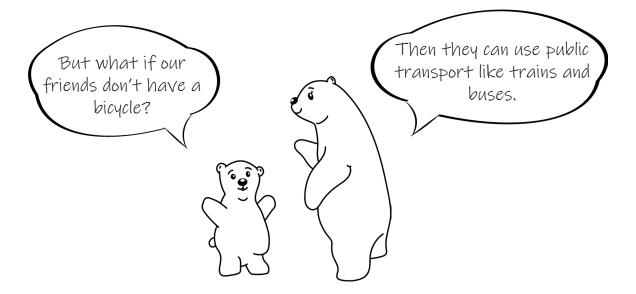




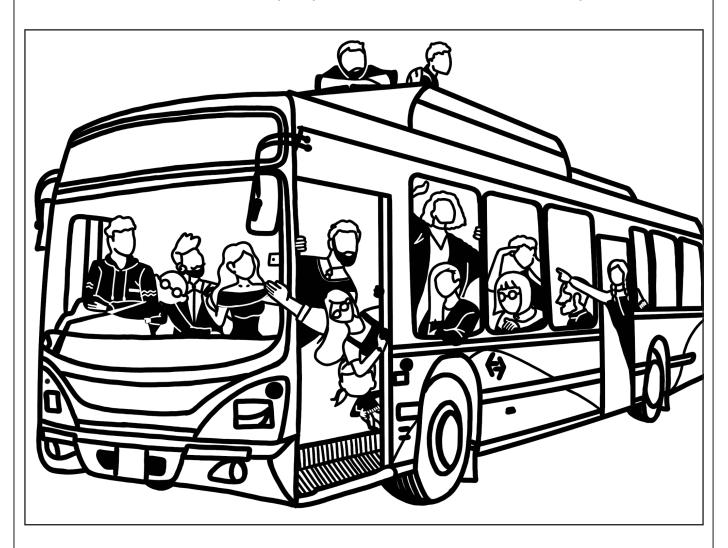








Count the number of people in the bus and colour the picture.



Number of people

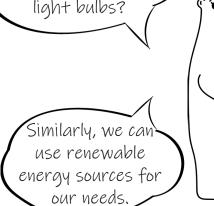








Golu, do you
remember how we
talked about saving
energy by switching off
light bulbs?





Find the words given below in the following puzzle.

Τ K В Z D P Q W D В U Ε R N Е W Α В Ε D M S C В Υ 0 Υ Τ U Τ В E X Ε Α Y Ε Q G В X X P В U В K W S S E Q D G Q Н Α N Z Τ Z D Н Н Α Η Η Ε Α R 0 P Τ J S Н

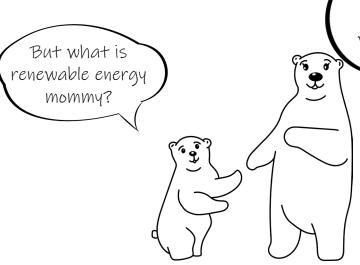
Find the following words in the puzzle. Words are hidden \Rightarrow and \checkmark .

BICYCLE BULB BUS DUSTBIN

RENEWABLE



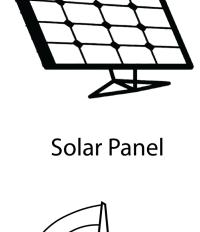


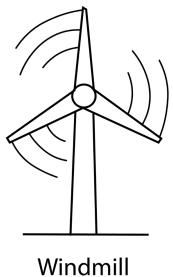


Energy from
Sources like sunlight, wind,
running water which doesn't
get over unlike oil and coal,
which are limited. Renewable
energy is clean as it causes
no pollution

Colour the pictures of all the renewable sources of energy.

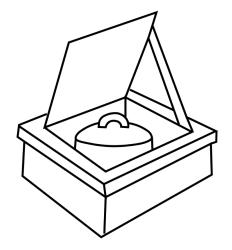








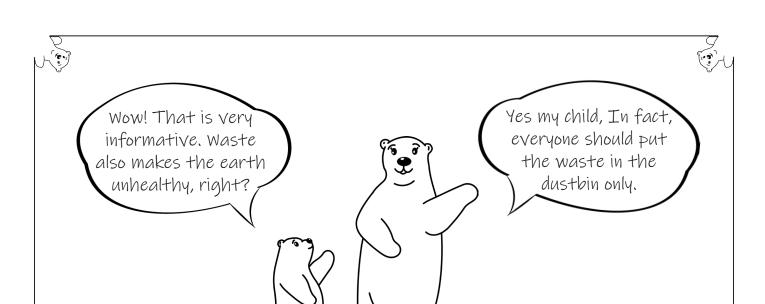
Rain



Solar Cooker

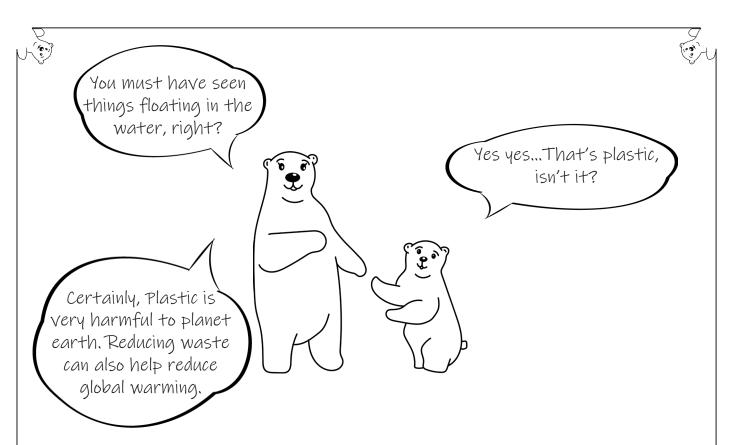




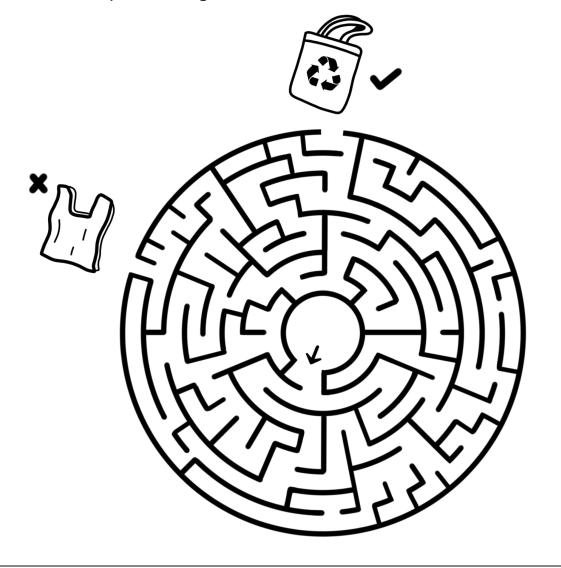


Circle the things in the garden that should be put in a dustbin.

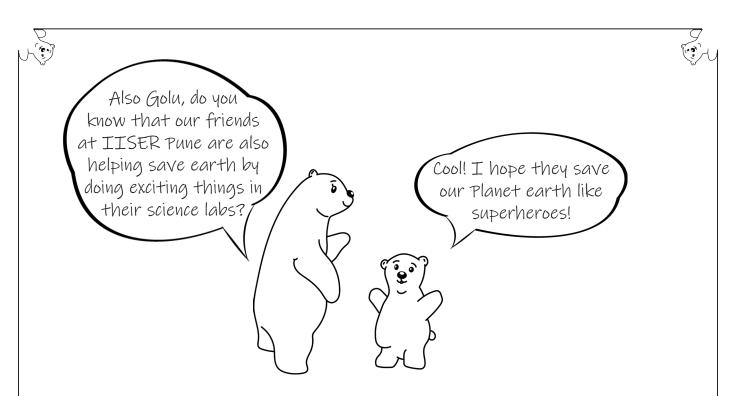




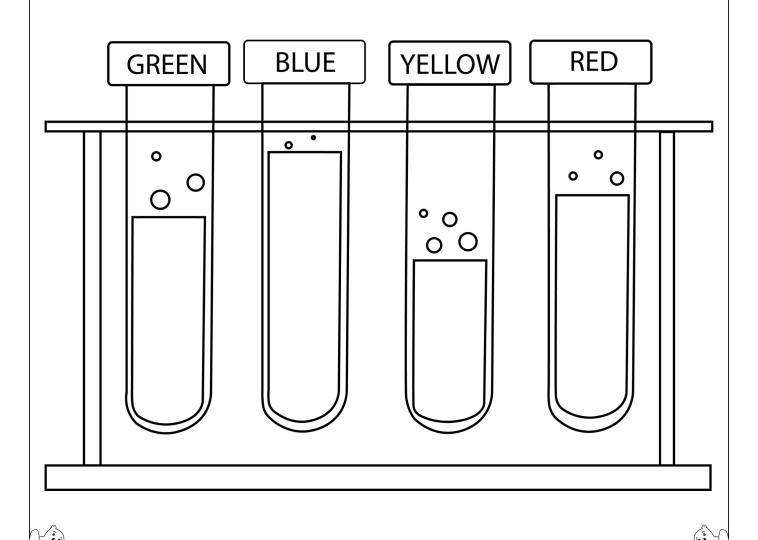
Solve the maze to reach the cloth bag. Remember, plastic bags are harmful and we have to avoid them!







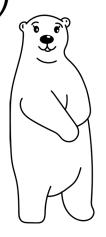
Colour the test tubes used by the IISER Pune students based on what is written on the stopper.

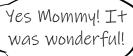






You seem to have learnt a lot of new things today!

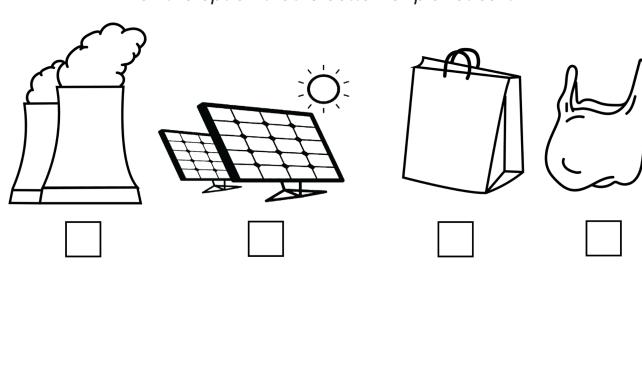


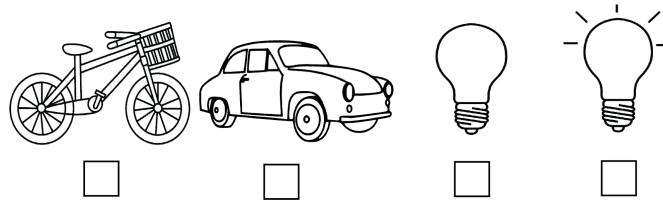




Dear children, you have learned so much! Let's test your knowledge now.

Tick the option that is better for planet earth!









Mommy, I hope
the Earth remains
beautiful forever, and
all our friends help
us in saving it from
climate change.



Of course dear, if all of us do our part, the earth will indeed remain beautiful!

Draw a picture of your dream earth in the blank space below. You could draw the ocean, a garden, mountains or whatever you like!



Join Golu, the polar bear, on his way to learn about climate change and find a new home for himself and his mommy! Golu explores the strange world that humans have created to find out why his home is melting. Experience his journey in this Do It Yourself activity book full of fun adventures.

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