

Experiential Series

Earth Science



Present in
USA | UAE | India

= Hello! =
My Name is

My Favourite Vegetable

(Circle your favourite vegetable)





HOW TO USE THIS BOOK

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to know how to
use this book



Four sets of horizontal lines for writing, each consisting of a top line, a dashed middle line, and a bottom line.



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Sow a seed

The seeds need proper care to grow.
First the seed starts to sprout.



Next the seed grows roots. The seed is
now a seedling.



The seedling grows leaves and a stem.



Last, the plant grows a flower/fruit.

Types of plants

Name: _____

Date: _____

Match the plants with their types.



● Creeper



● Herb



● Shrub



● Climber



● Tree

Activity oriented

Good



Very good



Excellent



Teacher's Sign: _____

Things we get from plants

Name: _____

Date: _____

Match the product with the plant.



Plants produce food for animals



Plants produce oxygen



Plants produce food for people

Find the words in the word search.

o	x	y	g	e	n	c	w
f	p	h	a	c	t	o	o
o	l	p	l	a	n	t	o
o	x	y	a	n	t	d	d
d	a	n	i	m	a	l	s

Wood

Plant

Animal

Food

Oxygen

Activity oriented

Good



Very good



Excellent



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Our Food

Iron - It is needed for healthy blood and normal functioning of all cells. E.g.- carrots, spinach, kale, apricots and peaches.



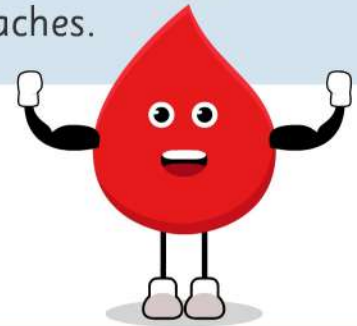
Carrot



Spinach



Peaches



Potassium - helps nerve function and healthy bones. E.g.- Spinach, cabbage, banana, orange, melon, and carrot.



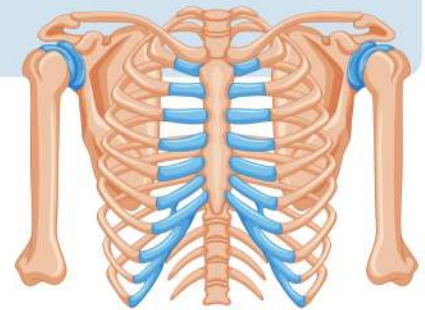
Cabbage



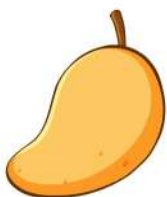
Melon



Orange



Vitamin A - Keeps eyes and skin healthy and helps protect against infections. Apricots, cabbage, carrot, grapefruit, lettuce, mango.



Mango



Lettuce



Apricots



Vitamin C - Helps heal cuts and wounds and keeps teeth and gums healthy. Citrus fruits, berries, tomatoes, potatoes.



Tomato



Potato



Berries



Natural Disasters

Name: _____

Date: _____

Look at the picture and circle the correct word.



Forest fire
Volcanic eruption



Flood
Earthquake



Earthquake
Tornado



Landslide
Cyclone



Flood
Forest fire



Drought
Forest fire



Flood
Landslide



Flood
Tornado

Activity oriented

Good



Very good



Excellent



Teacher's Sign: _____

WATER- Uses & Conservation

Name: _____

Date: _____

Draw the given uses of water. Add more & draw in the sections that are unnamed.

Drinking

Cleaning

cooking

Activity oriented

Good



Very good



Excellent



Teacher's Sign: _____

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Where can you find me? - Water bodies

narrow
body flows from
a higher point
to a lower point

towards a
larger body
of water

flows in
one direction



land along
the sides

flowing

River

freshwater
bodies

end up in
another body
of water



smaller
rivers

Stream

smaller than
a lake



small area
of water

often made
artificially

Pond

Where can you find me? - Water bodies

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Why and how

Why is the ocean salty?

The ocean has been salty for a long time-way before humans were around to use it as a seasoning!

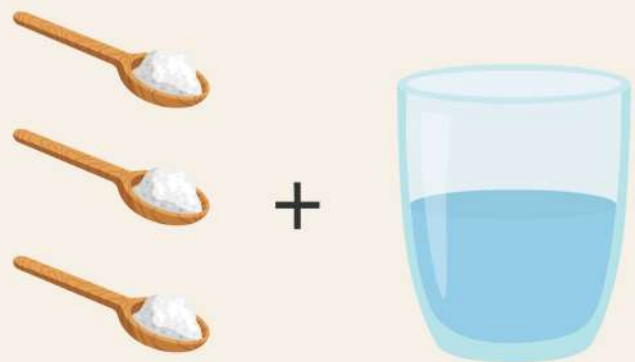


Millions of years ago when our planet was first forming, gasses from deep within the earth started bubbling up to the surface. These gasses contained tons of salt, and when they bubbled up into the ocean, the salt was released.

Today rain water continues to deposit even more salt into the ocean. When rain droplets fall on land, they often pick up pieces of salt. Some of these droplets slip and slide across the land to eventually reach the ocean.

ACTIVITY:

Make your own salt water by mixing Several teaspoons full of regular table salt into a glass of water. Leave it out on a sunny window sill for a couple of days. The water will evaporate, but salt residue will stay in the glass.



Why do you think this happens?

discuss

You need me! Keep me clean!!

Name: _____

Date: _____

Water pollution

Cross the objects that pollute water.



Activity oriented

Good



Very good



Excellent



Teacher's Sign: _____



Sun

Earth

Our home planet! Earth is the only planet in our solar system that humans can live on.

Venus

Venus spins in the opposite direction to all of the other planets in the solar system.

Mercury

Mercury is the smallest planet, and it is closest to the sun.

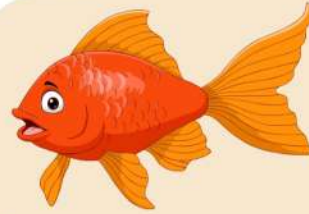
Hi, we live on planet Earth. There are many other planets along with our planet in our solar system. They are Mercury, Venus, Mars, Jupiter, Saturn, Uranus and Neptune.

Air, air, everywhere!

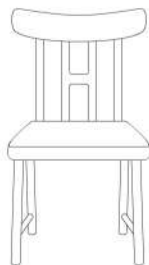
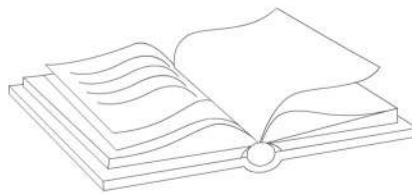
Name: _____

Date: _____

Tick (✓) the things which need air to live.



Colour the things that use air to move.



Activity oriented

Good



Very good



Excellent



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Air, air, everywhere!

3



Carefully place the balloon over the neck of the bottle and allow it to droop over to the side, making sure none of the baking soda falls into the bottle.

4



Lift the end of the balloon and pour the baking soda into the bottle. Shake well and place the bottle on a table. Watch the balloon inflate all by itself!

Think and talk about

- * What can you see happening in the bottle?
- * What is making the balloon inflate?
- * Is it blowing up faster or slower than when you use your mouth??

Investigate

1. What happens if you use more baking soda? Or more vinegar?

2. Time how long it takes to inflate.

3. Try using a different size balloon and see what effect it has. Was it fun?
Tick yes or no.

Yes

No



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