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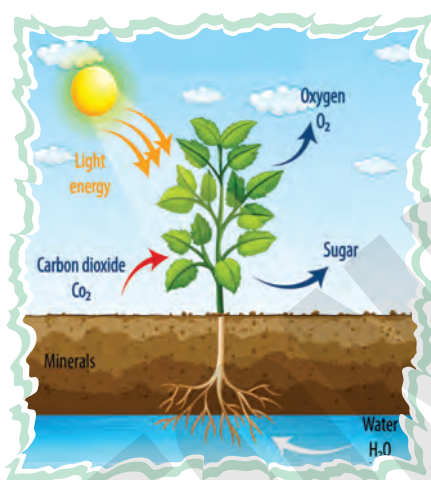
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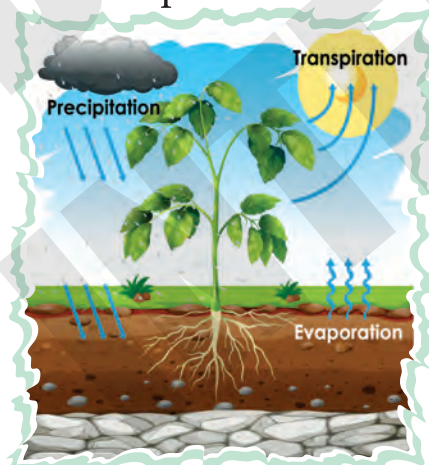
# Our Plants

*Read some interesting facts about plants:*

**1. Photosynthesis :** As a process driven by light energy, photosynthesis is the process in which light energy is converted to chemical energy in the form of sugar.



**3. Transpiration :** The plant cools down when the weather is very hot, and water from the stem and roots moves upwards. It is the process of the loss of water vapour from the plant.



**2. Cacti :** Cactus has a Latin root that derives from the plural cacti and has more than one thousand known species. These plants are native to most of the length of North and South America. It is generally assumed that a cactus is a member of the plant family Cactaceae.



**4. Dancing Plant :** The dancing plant loves beautiful melodies and is known for the movement of its leaves. The dancing plant, *Codariocalyx motorius*, is unique because it can dance rapidly enough to see with our bare eyes.



## TEACHER'S NOTE

Ask children questions about plants and describe the different plants that we see in our environment.



**5. Venus Flytrap:** Venus flytraps are notoriously difficult to care for. The Venus flytrap, also known as *Dionaea muscipula*, is a carnivorous plant native to subtropical regions. It is found on the East Coast of the United States in North Carolina.



### Let Me Answer

- \* Have you ever noticed different types of plants available in our environment?

**Recognise the following parts of the plants and tell their correct names by using help list.**

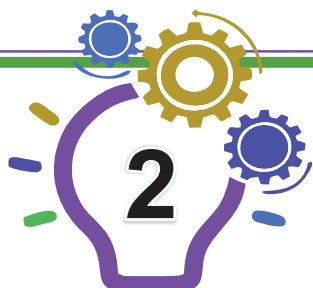
1. Which part carries food to another part of the plant?
2. Which part helps plants to breathe?
3. Which part helps plants absorb water and nutrients?
4. Which part of the plant help plants to grow a new plant?
5. Which part of the plant contains seeds?

### Help List

seed	stomata (leaves)	stem
fruit	roots	

### Info-Bits

*Do you know that the leaves of the Lucky Bamboo plant grow up to one inch per month?*



# Animals and their World

*You will find animals in almost every place on the earth—from the hottest deserts to the coldest continents. Read about some animals living in different habitats and how they adapt themselves to their habitats.*

**1. African wild dogs :** The largest population of African wild dogs remain in southern Africa and the southern part of East Africa. The African wild dog is known by many names, including Cape hunting dog or painted dog. Its scientific name is *Lycaon pictus*. These wild dogs are one of the world's most endangered mammals.



**2. Cleaner wrasse :** The Bluestreak Cleaner Wrasse, occurs singly, in pairs, and in groups. The five species of cleaner wrasses of the genus *Labroides* are known as carnivorous fishes. They are known cleaner wrasse.

**3. Texas blind Salamanders :** Texas blind salamanders are known for having a limited range of facing water pollution. Texas blind salamander is adapted for living in water underground. It has no eyes, only two small black dots under the skin. They are generally seen in deep waters.



**4. Boa constrictors :** One of the unique kinds of snake species. Boa constrictors are powerful snakes and stealthy hunters. They live in tropical climates throughout most of Central and South America.

## TEACHER'S NOTE

*Educate the learners about how hard it is to build houses.*



**4. Leather Turtles :** Leather Turtles are found in deep water and are different in their appearance. Its carapace is covered by oily flesh and flexible, leather-like skin, for which it is named. It can easily be differentiated from other modern sea turtles by its lack of a bony shell.



**5. Pangolins :** Pangolins are the only mammals wholly-covered in scales and they use those scales to protect themselves from predators in the wild.



**6. Eels :** Eels undergo considerable development from the early larval stage. Eels are ray-finned fish belonging to the order Anguilliformes, which consists of eight suborders, 19 families, 111 genera, and about 800 species.

### Quiz time

1. What do you know about Pangolins?
2. Name any one aquatic animal.
3. Name the semi-aquatic rodent known for building dams.
4. Which animal goes under development to the larval stage?

### Let Me Answer

- \* Have you ever wondered that tigers are excellent swimmers and capable of swimming up to six kilometres at a stretch?

### Fill in the blanks.

1. The five species of cleaner wrasses of the genus.....are known as carnivorous fishes.
2. ....adapted for living in water underground, it has no eyes, only two small black dots under the skin.
3. Boa constrictors live in tropical climates throughout most of Central and.....
4. ....are modern sea turtles and are covered by oily flesh.

### Info-Bits

*Many subspecies of tigers have already become extinct or are endangered due to hunting and loss of forest cover due to civilisation.*



# Natural Resources and Plants

Find the names of medicinal plants in the given word grid and write their names in the boxes below:

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

Plants are extremely useful.  
Some plants give us medicines.



- Used as germicide.
- Gives relief from cough in chronic bronchitis and asthma.
- Medicine for malaria.
- Used to restore strength and vitality.
- Gives drugs used to make heart strong.
- Gives pain killer called Morphine.
- Used as cold and cough medicine.
- Used to remove headache.

### Let Me Answer

- Which medicinal plants are beneficial for making medicines?

### Help List

Cocoa	Cinchona	Ginseng	Foxglove
Poppy	Tulsi	Eucalyptus	Neem

### Info-Bits

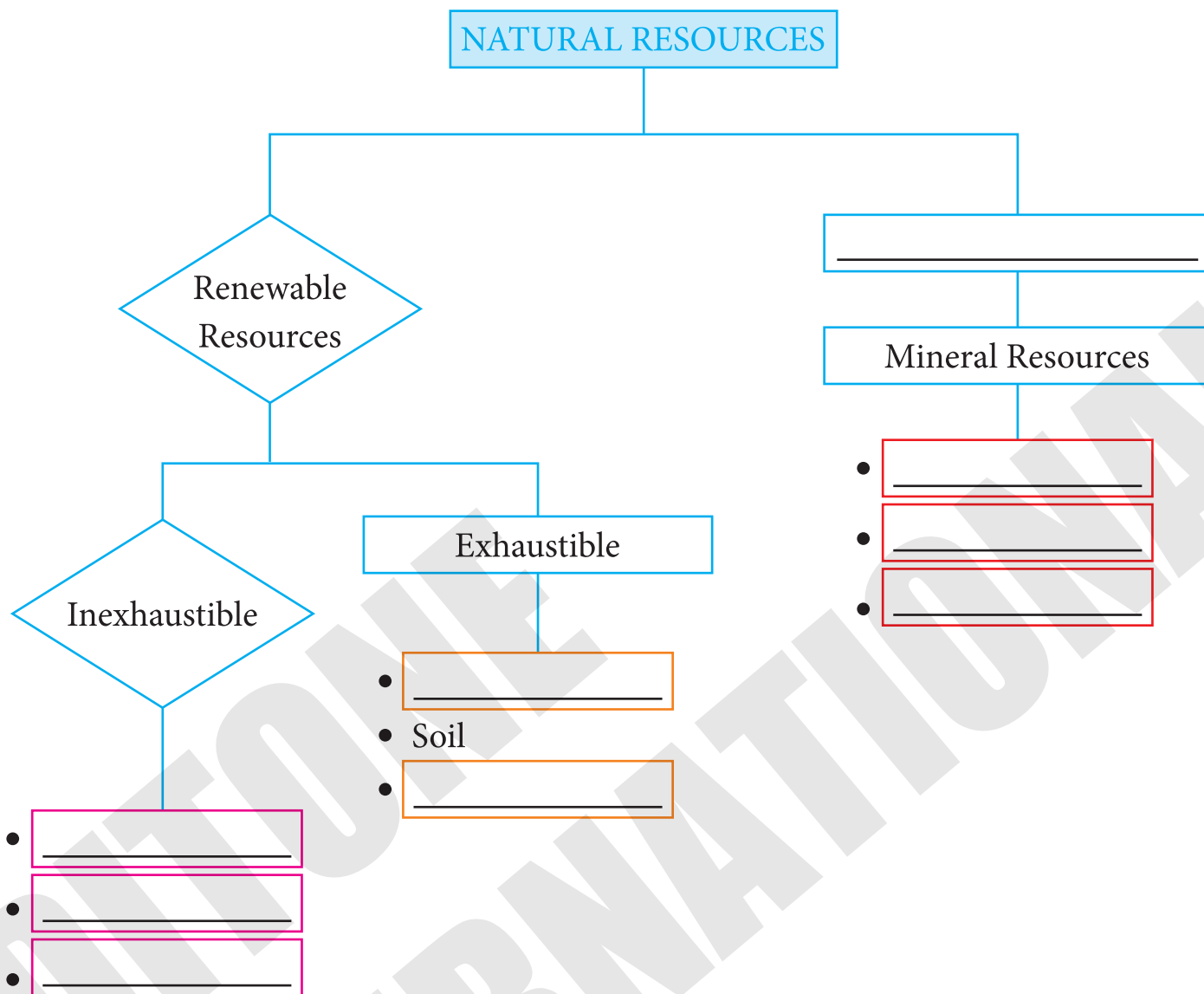
*Digitalis* a medication used to treat heart condition, is derived from the foxglove plant.

### TEACHER'S NOTE

Explain to the children the benefits of medicinal plants. Ask them questions about how they can grow medicinal plants.



Complete the flow chart with the help of the Help List :



### Help List

**Non-renewable resources**

Wind  
Gas

Water  
Oil

Sunlight  
Coal

Animal products  
Geothermal

### Info-Bits

*A gas takes 1300 times more space than a liquid.*