



- ❖ Dear children, please copy down the following note given in the box in your ENV Book along with the topic of the lesson.
- ❖ After writing the notes, you can draw or paste suitable pictures.

### **10. Home Garden**

We can see various kinds of plants and trees everywhere .It is impossible to live without plants and trees .They give us Oxygen and shade .Our home garden is the most reliable place to get fresh and quality fruits, vegetables and flowers .Home garden is an easy way to save our money .If we plan our home garden well, we can enjoy a beautiful vegetable garden without spending time and money to buy vegetables.

#### **Factors that affect the growth of plants**

- Water
- Sun
- Soil (substrate)

#### **Activity 01 - Important factors needed for the growth of a plant**

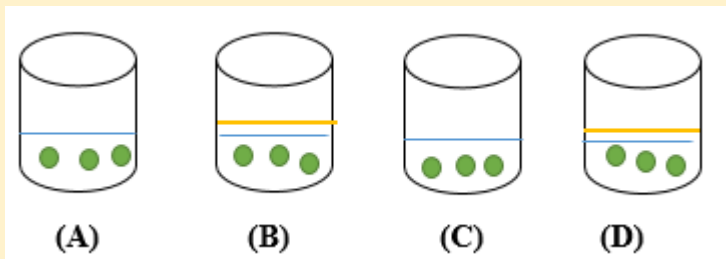
Things required: Four transparent vessels of equal size, Normal water, Hot water, Coconut oil, some seeds (Green Gram)

Method:

Set the four transparent vessels as shown below.

- Normal water - (in the room temperature)
- Normal - water and a layer of coconut oil
- Boiled water
- Boiled water and a layer of coconut oil

Put the same amount of Green Gram seeds into the four vessels .



**Observation:**

- A - Green Gram seeds have grown slightly
- B - Nothing has happened to the seeds
- C - Nothing has happened to the seeds
- D - Nothing has happened to the seeds

**Conclusion:**

Oil layer prevents absorbing air to the Green Gram seeds. Boiled water hinders the growth of the seeds. So that nothing had happened to the seeds in the vessels with oil and boiled water. Water and air are important factors for the growth of a plant

Preparing a Home Garden

Home garden is a part of the ground, next to or around the house .Home gardening is planting useful plants such as vegetables, fruits, green leaves and other essential plants in the garden or in pots .

Today we don't have enough space for gardening .Within that limited space people use different optional ways for planting .It helps us in obtaining nutritious food and gives mental satisfaction and relaxation .Also, it helps us to save our money .

Things that should be considered when selecting a suitable place for plant beds

- Choose a flat land without big stones or garbage.
- Select loose and fertile soil which should not be washed away.
- Select a place which gets proper sunlight.

How to look after your vegetable bed?

It is necessary to look after plants by,

- Watering them daily
- Adding manure )cow dung, compost)
- Using natural pesticides )if necessary)
- Removing weeds around the plants.
- Making a fence around the plant bed