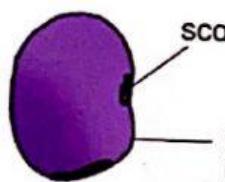


Activity 4

Life cycle of a plant grown from seeds

Process skills: Observing, communicating

1. Your teacher will give you a bean seed that has been soaked in water for a day or so.
2. Look at the seed carefully. Find the different parts of the seed as shown in the diagram below.

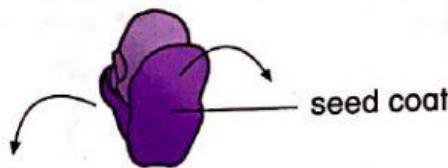


scar
position of
new root

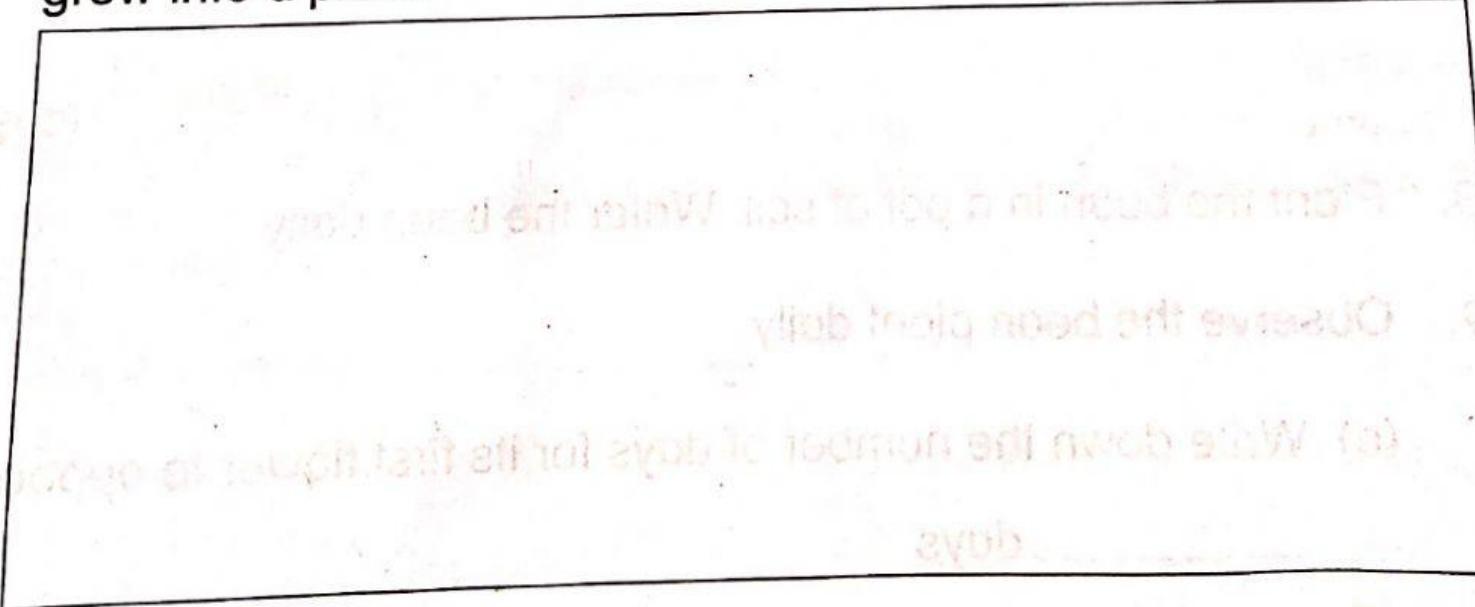


scar
position of
new root

3. Carefully remove the seed coat with your hands.

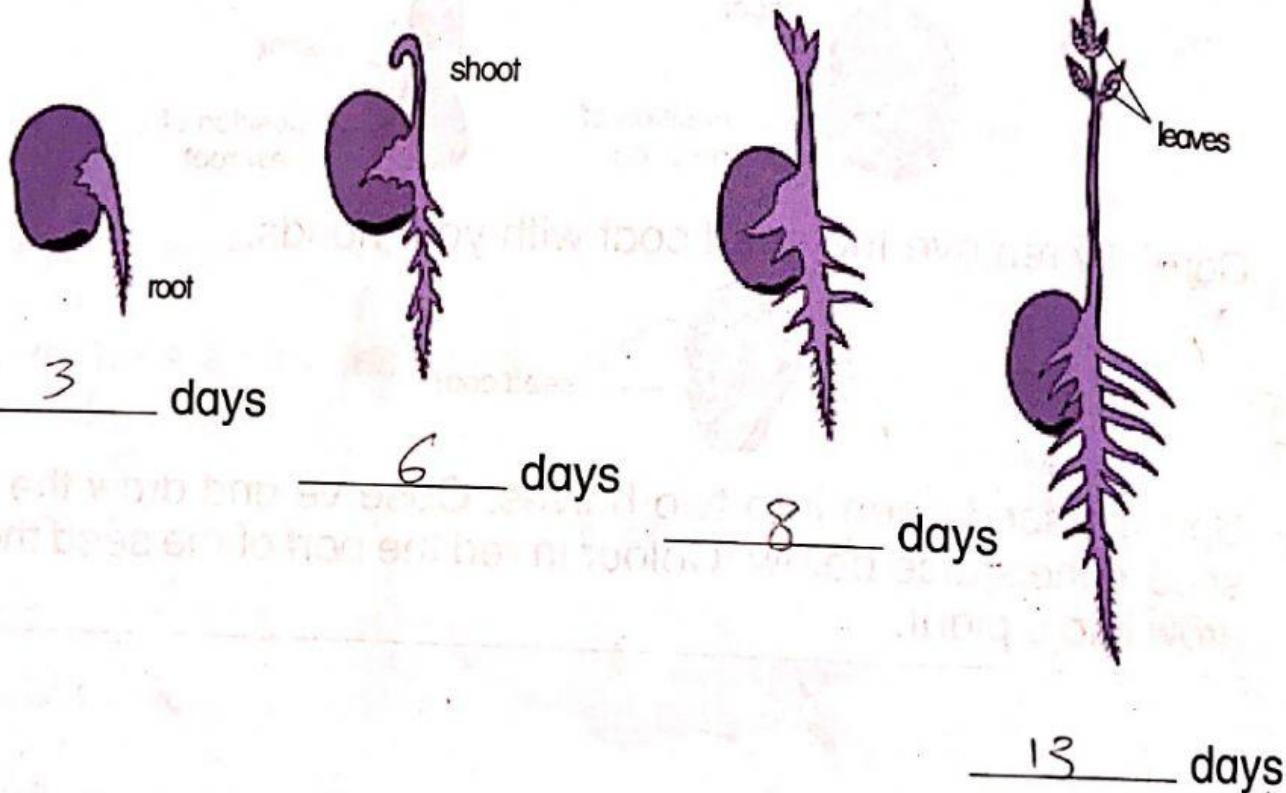


4. Split the seed open into two halves. Observe and draw the open seed in the space below. Colour in red the part of the seed that will grow into a plant.



The Circle of Life

5. Place a bean that has been soaked for a day on moist paper or cotton wool as shown in the photograph.
6. Leave the bean to grow in a warm sunny place. Keep the surroundings of the bean moist.
7. Observe the growth of the bean every day. Write down the number of days it takes for the bean to reach each of the stages of growth shown below.



8. Plant the bean in a pot of soil. Water the bean daily.
9. Observe the bean plant daily.
 - (a) Write down the number of days for its first flower to appear:

_____ days

(b) Write down the number of days for its first fruit to appear:
_____ days

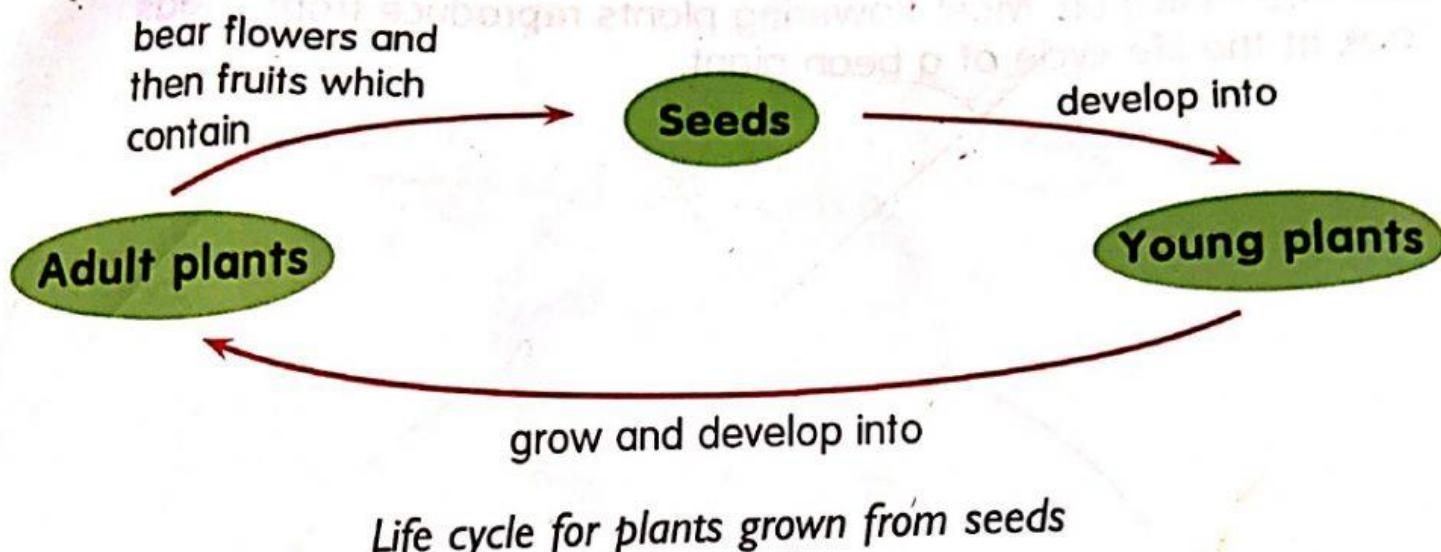
10. Draw a simple diagram to show the life cycle of a bean plant.



1. Your teacher will display some other plant seeds in the Science Room or classroom. Write down the names of these plants which grow from seeds. Try planting some of them and watch their growth and development.

Name of seeds: _____

The seed of the bean plant (the bean) grows into a young plant. The young plant grows into an adult plant, which bears flowers. The flowers will bear fruits (pods) if they are fertilised. The fruits (pods) contain seeds (beans) which can grow into bean plants.



Put on Your Thinking Cap

Something is wrong with the life cycle of the chilli plant shown below. Can you correct it by rearranging the stages?

