

Needs Fixers

Choose helpful changes, then design a complete bean-plant care plan.

S1L1.c "Design a solution to ensure that a plant or animal has all of its needs met."

NAME _____

DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 FIX IT _____

a	ROCK	SUN	TOY
b	WATER	HAT	BOOK
c	ROCK	TOY	SPACE

2 MATCH IT _____

DARK	•	•	SPACE
DRY	•	•	SUN
TIGHT	•	•	WATER

HOW TO RUN THIS PAGE

Read the choices and scripts aloud. After matching, provide extra paper and show a potted bean seedling or an actual photograph. Explain this plant needs light, water, air, nutrients, room for roots and leaves, and a suitable warm growing place. Each child draws or dictates an original care plan showing how each need is met. Ask the child to point to each planned solution and check every need. Adult labels dictated ideas; do not supply a completed design to copy. Planning is required; actually planting or running a long growth test is not.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 • FIX IT

SAY “Listen as I read each situation and the three choices. In each row, circle the word that names a change or supply that could help the plant or animal meet a need.”

ROW	SAY	STUDENTS CIRCLE
a	A plant is in a dark closet. The choices are ROCK, SUN, and TOY. What could you add to help the plant?	SUN
b	A fish has no water in its bowl. The choices are WATER, HAT, and BOOK. What could you add to help the fish?	WATER
c	A rabbit's home is too small for it to move. The choices are ROCK, TOY, and SPACE. What could you change to help the rabbit?	SPACE

PART 2 • MATCH IT

SAY “I will read the problem words on the left, DARK, DRY, and TIGHT, and the solution words on the right, SUN, WATER, and SPACE. Draw a line from each problem word to the solution word that could fix it. Then design a home and care plan for our bean seedling on extra paper. Show where it gets light and air, how it receives water and nutrients, room for roots and leaves, and protection from freezing or overheating. Tell me how each part meets a need. Check your drawing or spoken plan with me; add any missing need.”

- **DARK** matches **SUN**
- **DRY** matches **WATER**
- **TIGHT** matches **SPACE**

WHAT TO ACCEPT

Circle SUN, WATER, and SPACE in the three rows. Match DARK to SUN, DRY to WATER, and TIGHT to SPACE. Require the child original combined design and needs check as well as the matches. A workable example is a roomy pot with drainage and suitable potting mix, in an adequately lit warm place with open air, checked regularly and watered when the mix needs moisture without leaving roots flooded; adult adjusts nutrients as needed for the plant. Accept equivalent feasible designs, oral explanation and adult labels. Light supports making food; soil or potting mix supplies mineral nutrients, not ready-made plant food. Teacher adapts care to the bean seedling and checks all stated needs. Primary care reference: <https://extension.umn.edu/garden-and-home/yard-and-garden/gardening-in-minnesota/starting-seeds-indoors> .