Mars Greenhouse Registry

Player clue 1: Food | Team 1

The planting bed must match the resources and conditions in the greenhouse registry. We will use the records on the table to build the moon-bean growing bed. Share the reading, explain each choice and keep the five results for the final plan.

Use only the fictional food-web rules printed here. Start with the food available now. A creature becomes available when its food rule is met. Find which named visitor can live here; a loop cannot create its own first food.

Fictional food-web rules

NIB needs LEAF

PEEP needs SEED

MOTH needs NIB OR PEEP

GLIM needs NIB AND PEEP

LOOP needs TWIN

TWIN needs LOOP

Starting conditions

Available now: SEED.

A result becomes available when its needs are met.

Which of MOTH, GLIM, LOOP becomes available?

Food result: _____

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Player clue 2: Habitat | Team 1

These are fictional field cards for a paper model. Compare all the recorded conditions with the habitat requirements. A card that passes only one rule is not enough. Report the one card that meets every rule.

Fictional field cards

FERN: light=shade; floor=dry; entry=wide

MOSS: light=sun; floor=damp; entry=narrow

REED: light=shade; floor=damp; entry=wide

Required features

light must not be shade.

entry must be narrow.

Report the one matching card ID.

Habitat result: _____

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Player clue 3: Delivery | Team 1

Delivery desk: A return entry lost its amount. Use the opening and closing stock to find the missing return. Apply DONE entries; ignore the CANCELLED plan.

Opening stock: 8. Closing stock: 13.

Received: +3 DONE
Planned: +7 CANCELLED
Issued: -3 DONE
Returned: ? DONE

Missing return = ? units. Ignore cancelled plans.

Delivery result: _____

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Player clue 4: Plot | Team 1

Plot desk: Read the letter at each coordinate, in order. Letter = column; number = row. Convert the complete word using the printed table.

Columns: A, B, C, D. Rows: 1, 2, 3.

1	**B**	**S**	**H**	**L**
2	**G**	**K**	**E**	**R**
3	**M**	**Q**	**T**	**D**

SEED = 8

BEAM = 1

DOCK = 4

READ COORDINATES IN ORDER:

B1 > C2 > C2 > D3

Plot result: _____

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Player clue 5: Weight | Team 1

Weight desk: Every parcel has the same whole-number weight. Remove loose units, find ONE parcel and check the second rule.

3 parcels + 1 loose units = 7 units

2 parcels + 3 loose units = 7 units

One parcel = ? units. Whole numbers 1-9.

All parcels have equal weight.

Weight result: _____

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Player clue 6: Final | Team 1

Recover one requirement for each habitat layer from its named result. Choose a matching roof, floor, water source, food and entry. Write the five part IDs in the printed layer order, then point to the evidence supporting each choice.

Use your results from: Food, Habitat, Delivery, Plot, Weight.

Habitat construction key
Roof (Food): GLIM=shade; MOTH=sun
Floor (Habitat): MOSS=dry; FERN=damp
Water (Delivery): 5=flow; 12=still
Food (Plot): 1=seed; 8=leaf
Entry (Weight): 1=wide; 2=narrow
Parts (one per layer, top to bottom)
Roof: R2=sun; R1=shade
Floor: F1=dry; F2=damp
Water: W2=flow; W1=still
Food: D1=leaf; D2=seed
Entry: E2=narrow; E1=wide
Build rule
Choose each part meeting its recovered requirement.
Report five part IDs top to bottom, with hyphens.

Final result: _____

Ask your host to check your final result and read the ending.