

What do you need in order to stay alive in this sealed glass building? Draw, label, and explain.



Water, Well..water is jut something we need in genral to survive.It also helps our plants grow,(but we'll talk about plants later)



Food(more specificy reproducibile food).Like water its jut something we need to survive,our body needs to eat,



Animals,So the reason why I had chosen animals as one of these is because animals contain necessary things for us,such as leather,food,milk,etc.



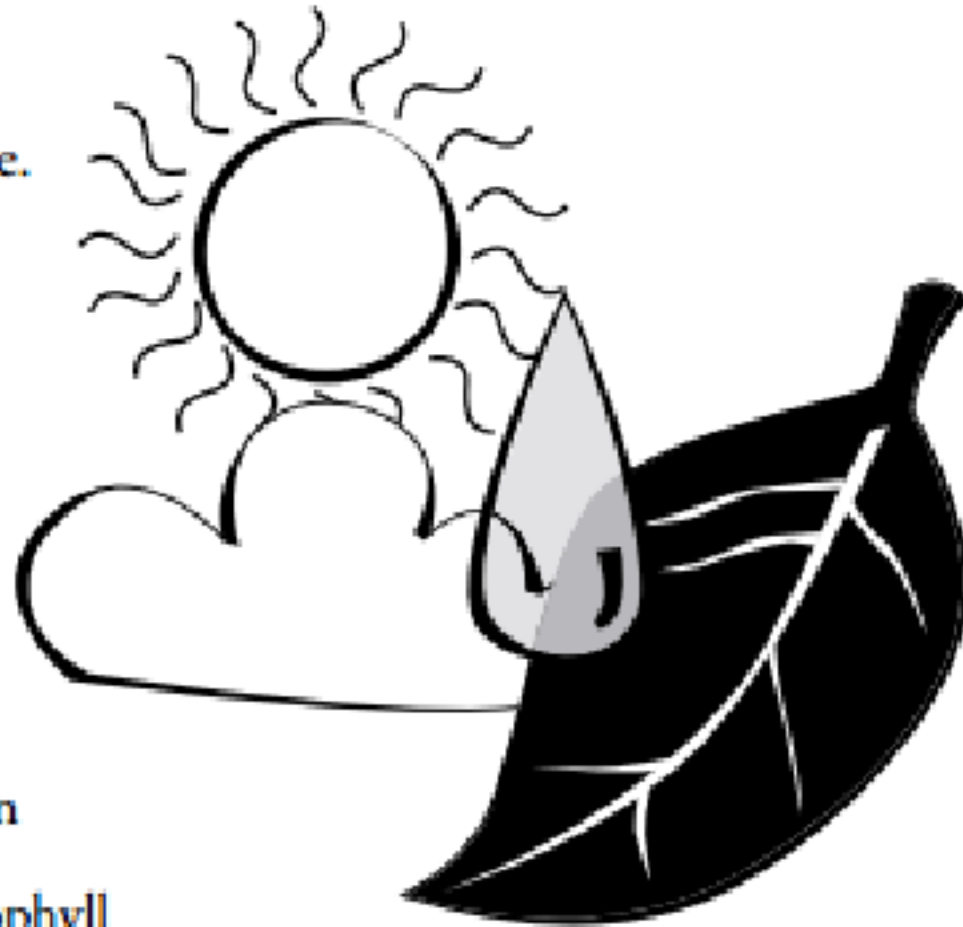
Air(Air is invisible)Air.. its air we all need it to breathe,it also helps a plant grow from the CO2(Carbon Dioxide)

Plants,Plants provide us with many things,such as food,clothing material, building material,etc.

Is It Food for Plants?

Organisms, including plants, need food to survive. Put an X next to the things you think plants use as food.

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> sunlight | <input type="checkbox"/> soil |
| <input type="checkbox"/> plant food from a garden store | <input type="checkbox"/> water |
| <input type="checkbox"/> sugar | <input type="checkbox"/> leaves |
| <input type="checkbox"/> carbon dioxide | <input type="checkbox"/> oxygen |
| <input type="checkbox"/> minerals | <input type="checkbox"/> chlorophyll |
| <input type="checkbox"/> fertilizer | <input type="checkbox"/> vitamins |



Carbon Dioxide

Soil

Sunlight

Water

Type your explanation here:

I think plants need _____, _____, _____, and _____ to survive because all of these things create the process known as photosynthesis, in which the plant creates its own food, (during photosynthesis).

Explain your thinking. How did you decide if something on the list is food for plants?

Photosynthesis video notes: <https://www.youtube.com/watch?v=yHVhM-pLRXk>

1. Plants prepare their own food by a process called photosynthesis
2. 'Photo' means light and 'synthesis' means putting together.
3. Plants need sunlight, carbon dioxide from air, and water from soil to prepare their own food.
4. Leaves have tiny pores called stomata through which carbon dioxide enters the plant.
5. Plants cells contain tiny structures called chloroplasts that contain chlorophyll.
6. carbon dioxide + water + sunlight $\xrightarrow{\text{Chlorophyll}}$ glucose (sugar) + oxygen
7. Photosynthesis is the process by which plants prepare their own food by using carbon dioxide and water in the presence of sunlight.