

# Biology Topic 46 – Case Scenario

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## Instructions

Devise a mathematic model for this case scenario.

Complete the "math" associated with your model.

Draw/construct a visual model associated with your math.

Use poster board and/or SLIDES.

- Include water
- Include each individual plant/animal
- Include number of humans

(Use unit of measures identified in your math).

## Ecosystem Model

Perform this activity as an individual, or a small team.

You (and your team) will be stranded. You will need water and food for one year.

You have one year to plant, gather animals, and acquire water into a holding tank. Beginning one year later, the ONLY food and water available to your team is what has been grown and collected the prior year.

You may not "waste" your food or, water ... meaning that AT MOST you will have only one extra month's supply before returning to civilization.

Using Google SHEETS (or Excel) to make your calculations ... put together a final report in Google DOC (or MS Word) to show what, and how much is required to make this happen.

REMEMBER ... animals require food and water ... and plants require water (and possibly other nutrients).