

AQUANAUTS

Space Plant Pillow Experiment

A simple experiment to explore how plants can grow without soil, mimicking the conditions astronauts face when growing food in space.

Steps

1. Place damp cotton wool and seeds inside the bag.
2. Seal the bag and hang it in a sunny spot.
3. Observe how plants grow without soil, mimicking space conditions.

You will need

- Zip bags
- Cotton wool
- Seeds (e.g., cress)
- Water

Helpful tip

Compare plants grown in soil to those in the bag

Did you know?

On the ISS, astronauts use plant pillows to grow food in low gravity



This activity pairs with Aquanauts episode 'Water in Space'