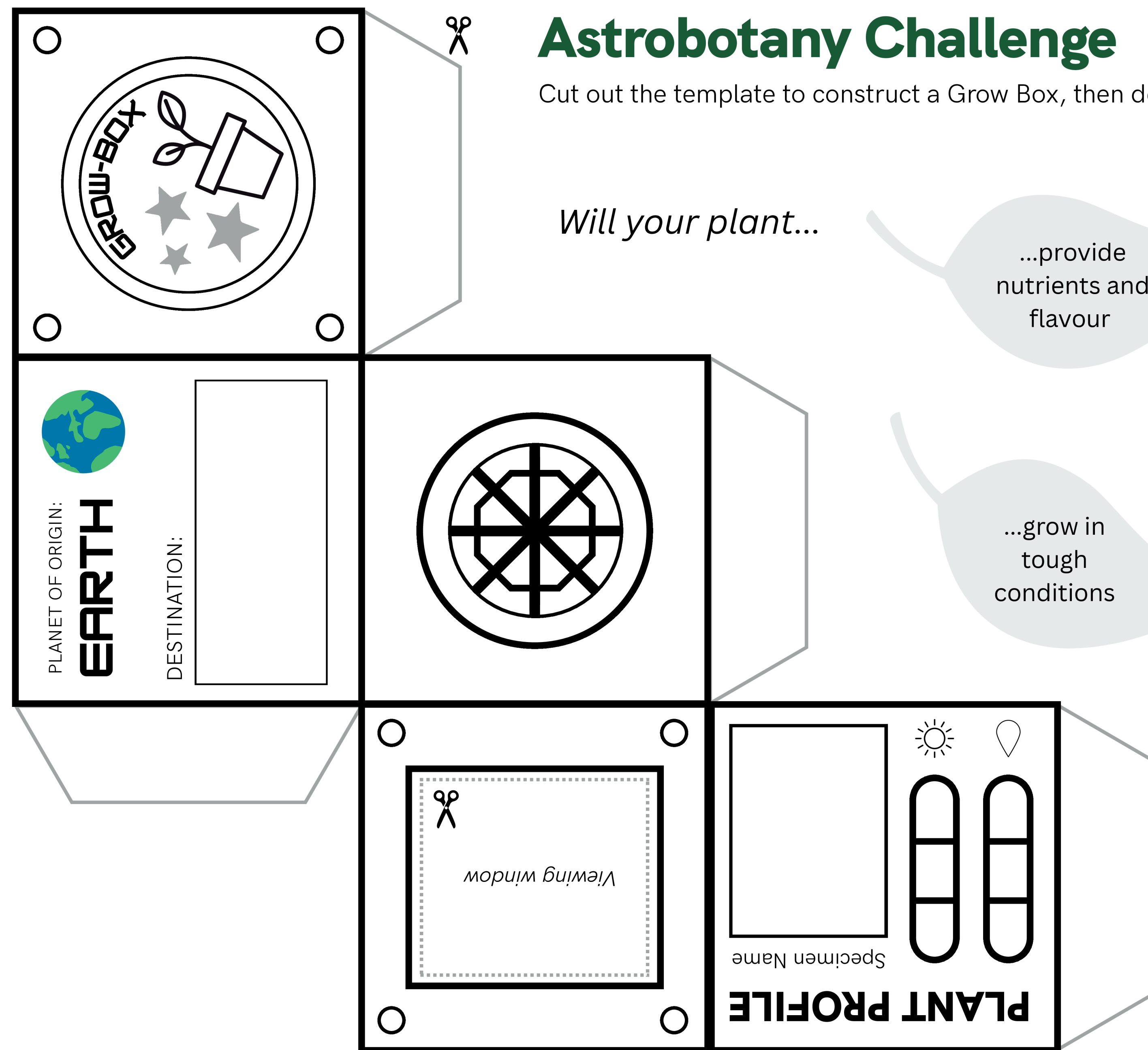




Astrobotany Challenge

Cut out the template to construct a Grow Box, then design your very own **space plant**!

Will your plant...

...provide
nutrients and
flavour

...improve
wellbeing or
calmness

...grow in
tough
conditions

...produce
fresh air

...something
else?

Plants For Nutrition

Living in space is hard and takes its toll on astronauts' bodies. They need nutrients and fresh food to keep them healthy. Can you grow a nutritious (and delicious!) plant for astronauts to eat?

Plants For Fresh Air

People breathe in oxygen, and breathe out carbon dioxide. Plants breathe in carbon dioxide and breathe out oxygen. They do this via their leaves. Can you grow a leafy plant that helps astronauts breathe fresh air?

Plants That Grow in Tough Conditions

There's not a lot of room on a spacecraft. Soil and water for plants take up a lot of room! Can you grow a plant that doesn't require a lot of water or soil but can still thrive?

Plants For Well-Being

Living in space is nothing like living on Earth. Life up there can be difficult and may affect the astronaut's mental health. Can you grow a plant that will remind the astronauts of home and help make them happy?

Something Else....

What else could we use plants for in space? Are there any unique or special plants you might not have thought about? Get creative and design a plant of your choosing.

