

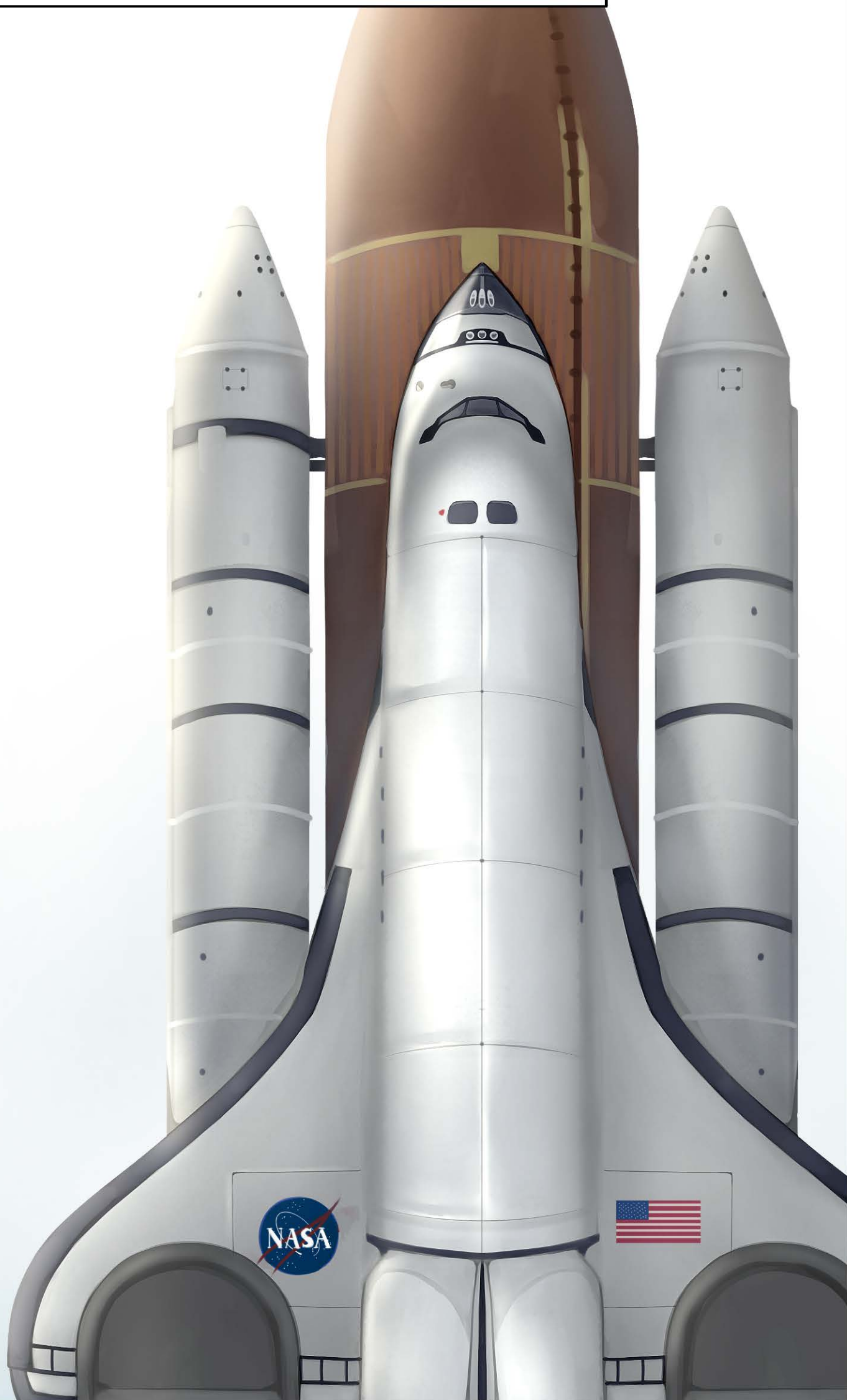


Seeds in Space

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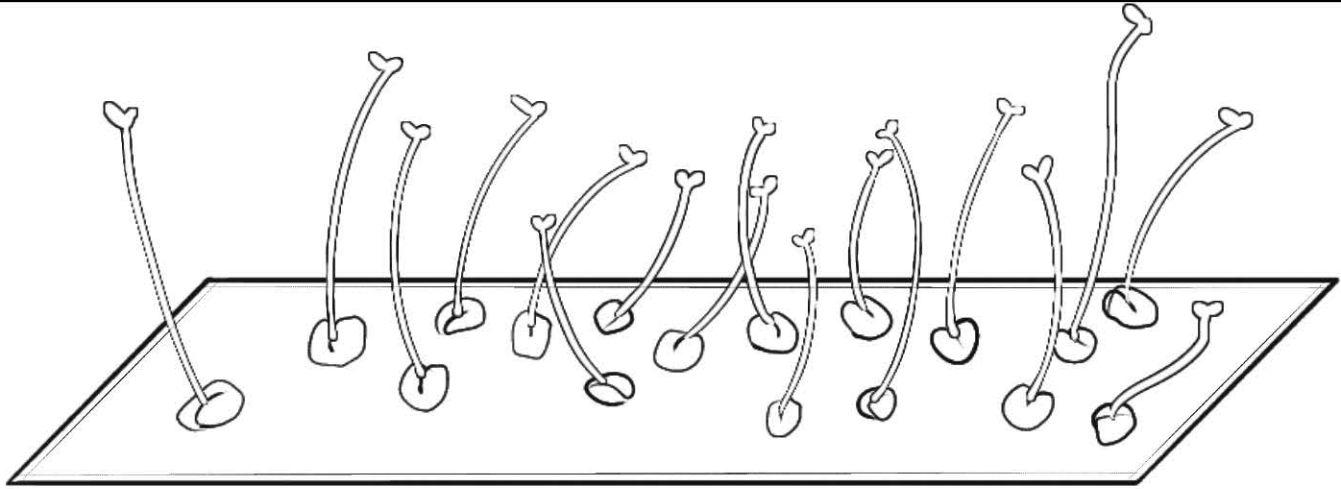
NASA

The International Atomic Energy Agency (IAEA) and the Food and Agriculture Organization of the United Nations (FAO) have sent seeds into space, to investigate the effects of cosmic radiation and harsh space conditions on breeding new crop varieties to withstand the effects of climate change and help fight global hunger.

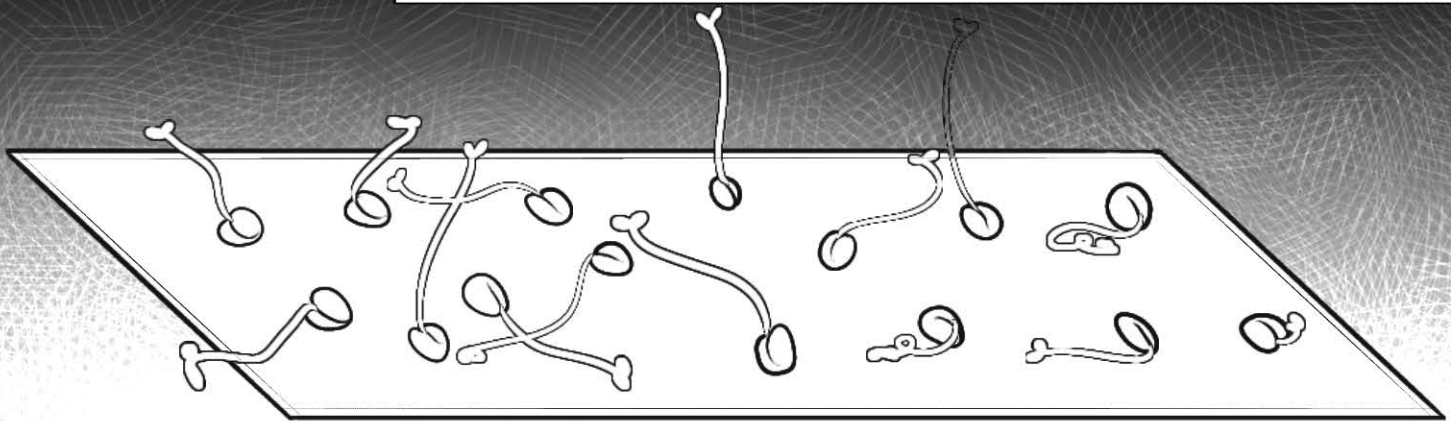


Before they sent seeds in space, they first experimented with seeds that are possible to be planted in space. Scientists planted the seeds, one with the light and one without the light.

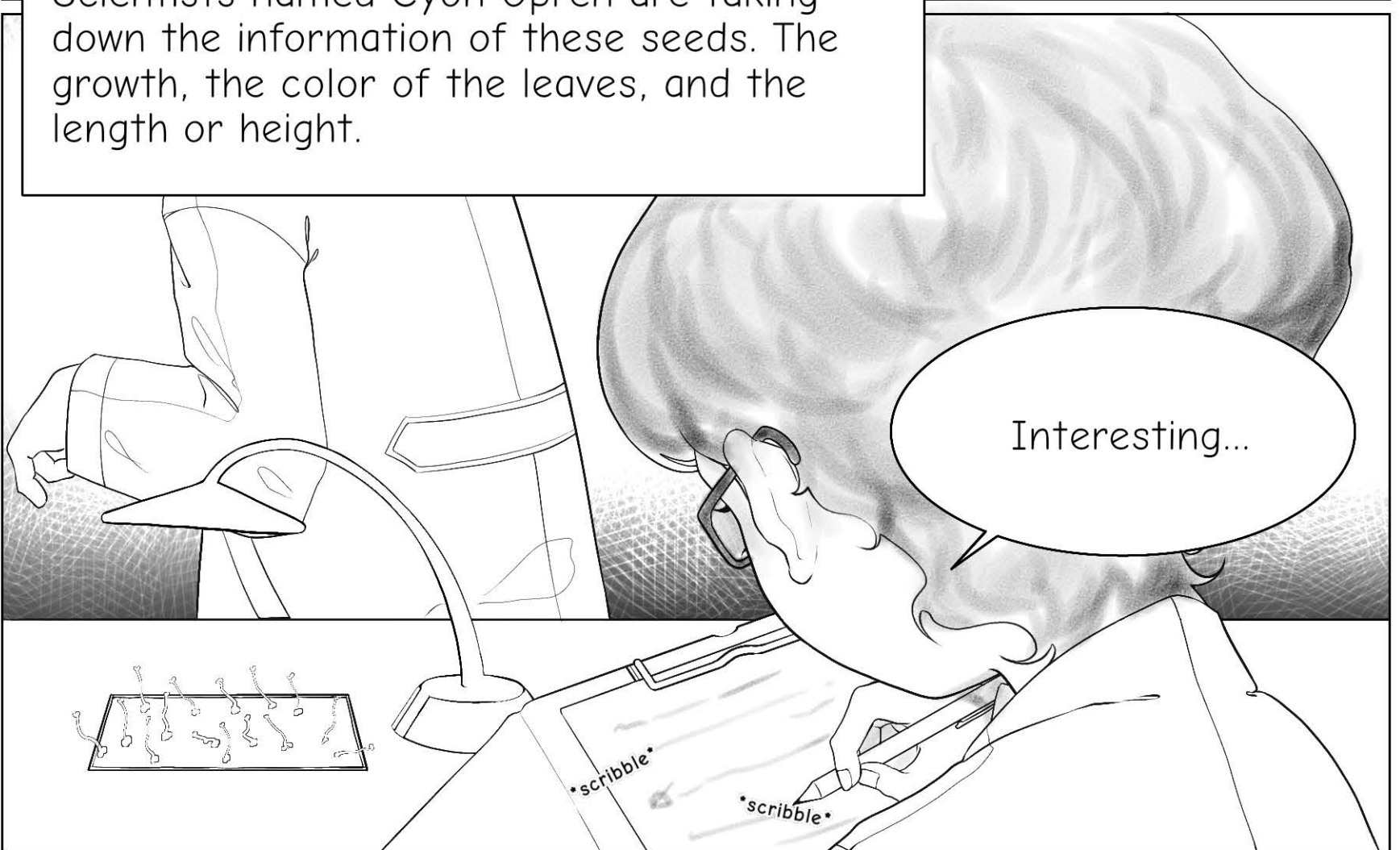
The one with the light grows in the direction of the light and the leaves are green.



The seed in the darkness doesn't know what to do. They grow in all different directions, and the leaves are yellow.



Scientists named Cyon Opren are taking down the information of these seeds. The growth, the color of the leaves, and the length or height.





Successful?

This is Evan Maxwell.

Yeah, and probably by the next month, we can now send these seeds in space for more experimentation.

chatter

chatter

Evan

Huh.. these plants will get mutated as well, right? and there would be changes in the DNA that would make them look different. Ah.. and also smell and probably be tasted differently?

Evan is a 27 years old future astronaut who will be sent soon in space to join the other astronauts for further experimentations for seeds in space.

crumple

You are right about the mutations and changes of the DNA, but I am not entirely sure about the taste and the smell at the moment..

scribble

scribble

crumple

Cyon

I see..

Evan

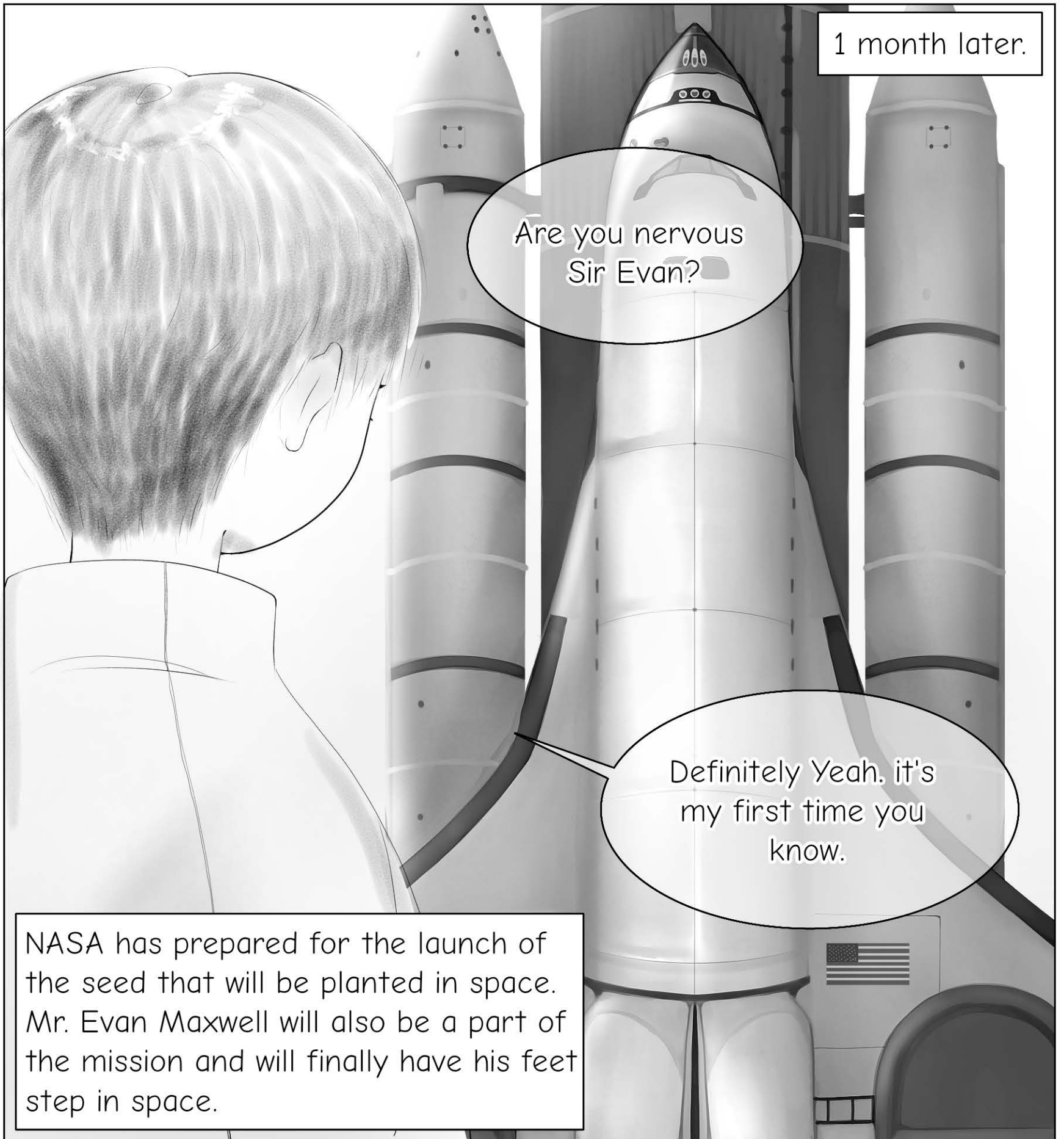


Evan

Got it..

We are ready,
Evan.

Tell the others..
we are ready for
the launch by next
month.



1 month later.

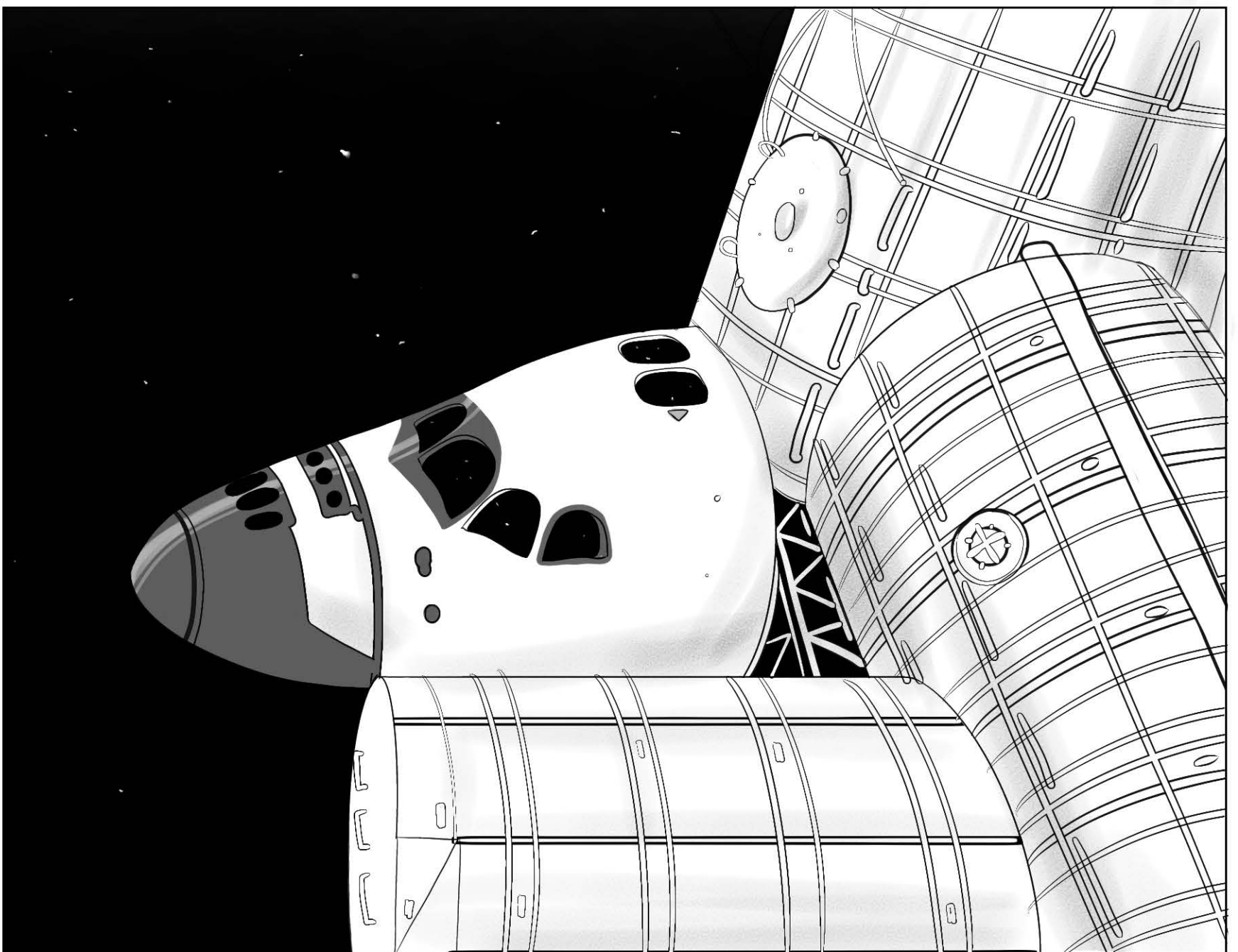
Are you nervous
Sir Evan?

Definitely Yeah. it's
my first time you
know.

NASA has prepared for the launch of the seed that will be planted in space. Mr. Evan Maxwell will also be a part of the mission and will finally have his feet step in space.

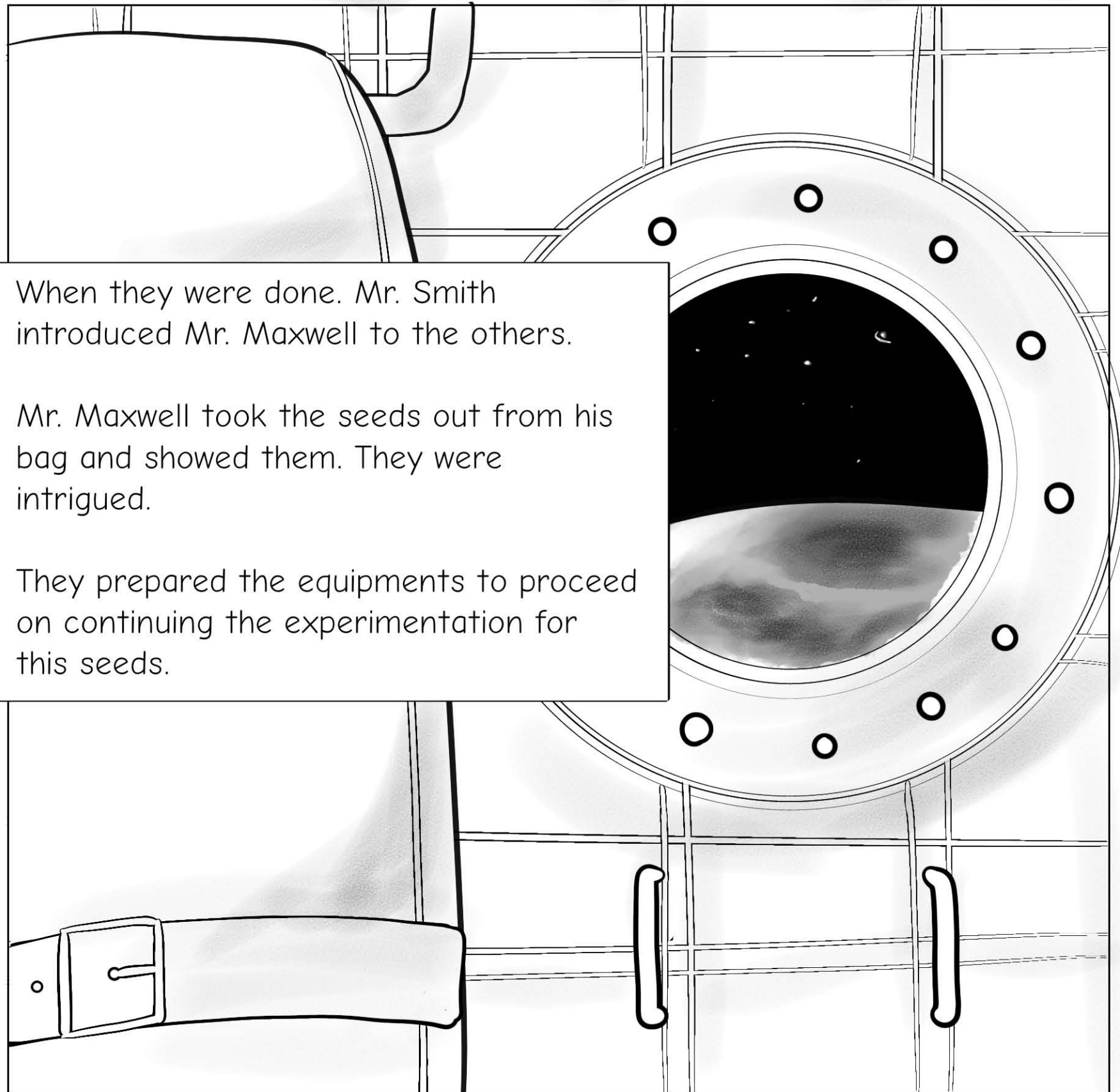
The space craft successfully launched from the earth and to the space.

People cheered in happiness because of the success of the launch of the ship and the possible outcome of the experiment of this "Seeds in Space".





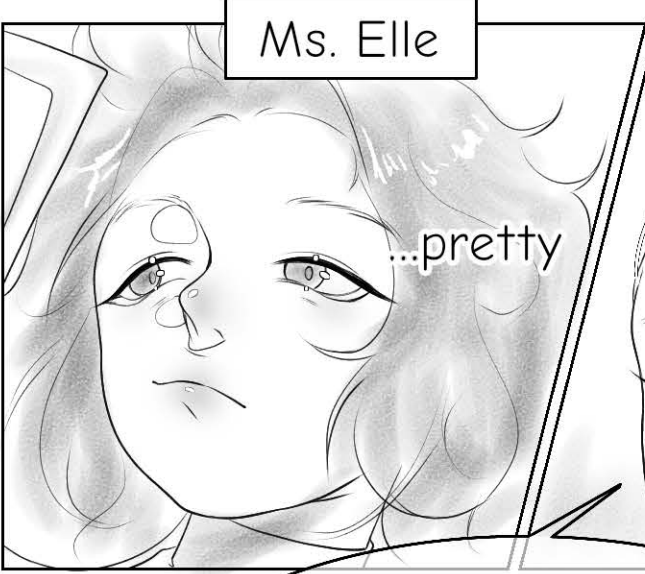
Mr. Vince Smith warmly welcomed the new astronaut, Mr. Evan Maxwell to the space station. He also toured him around.



When they were done. Mr. Smith introduced Mr. Maxwell to the others.

Mr. Maxwell took the seeds out from his bag and showed them. They were intrigued.

They prepared the equipments to proceed on continuing the experimentation for this seeds.

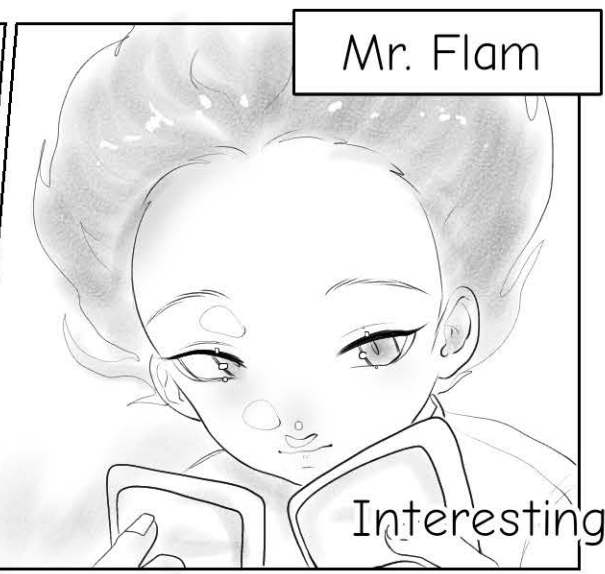


Ms. Elle

...pretty



Ms. Xie



Mr. Flam

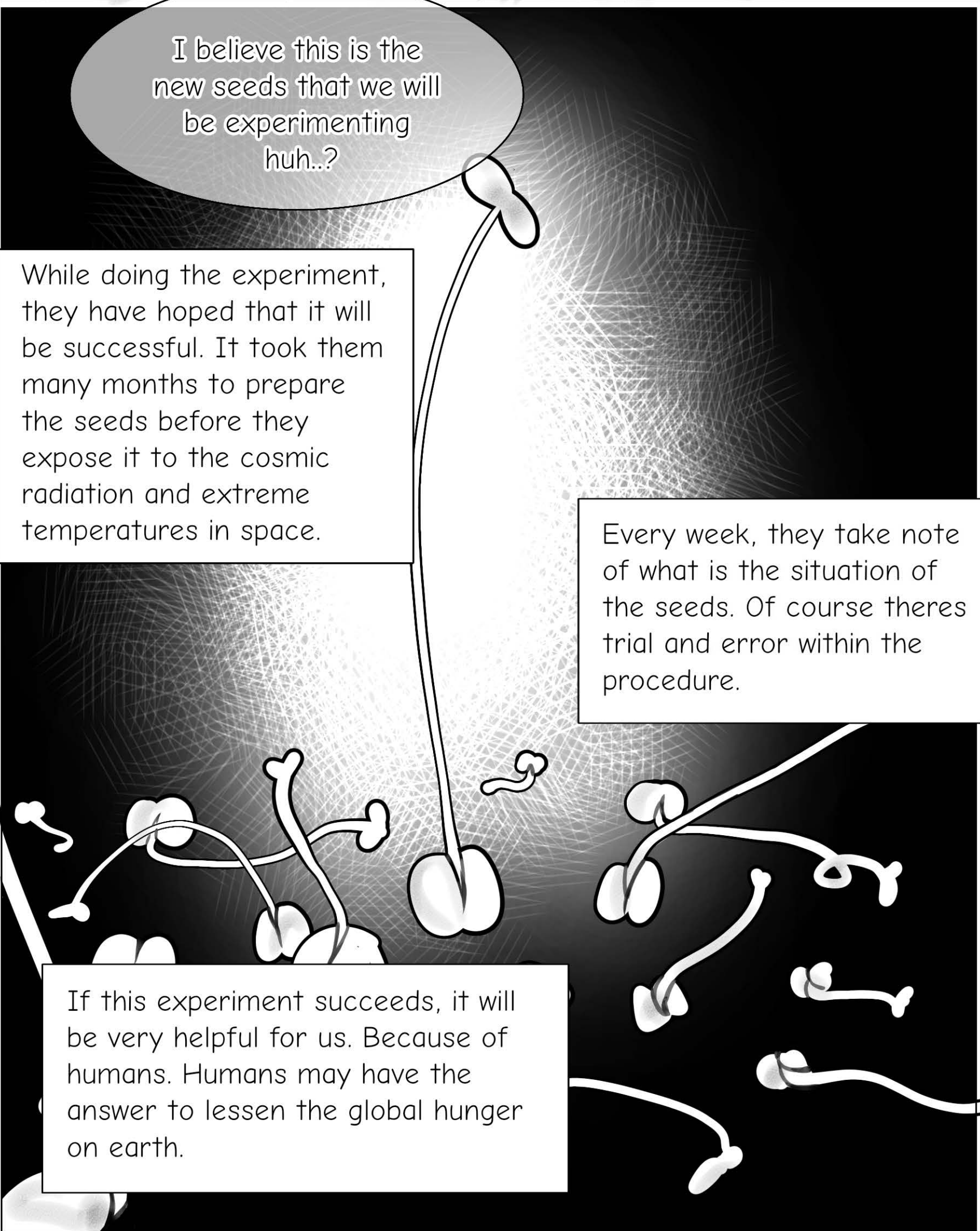
Interesting...

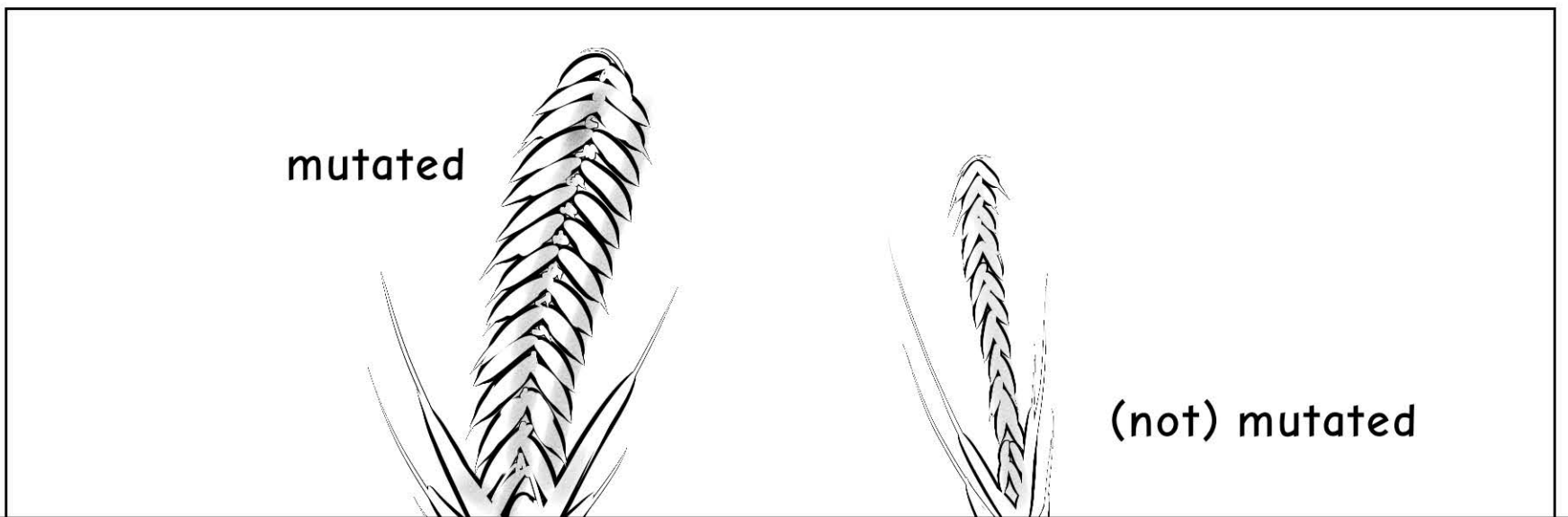
I believe this is the new seeds that we will be experimenting huh..?

While doing the experiment, they have hoped that it will be successful. It took them many months to prepare the seeds before they expose it to the cosmic radiation and extreme temperatures in space.

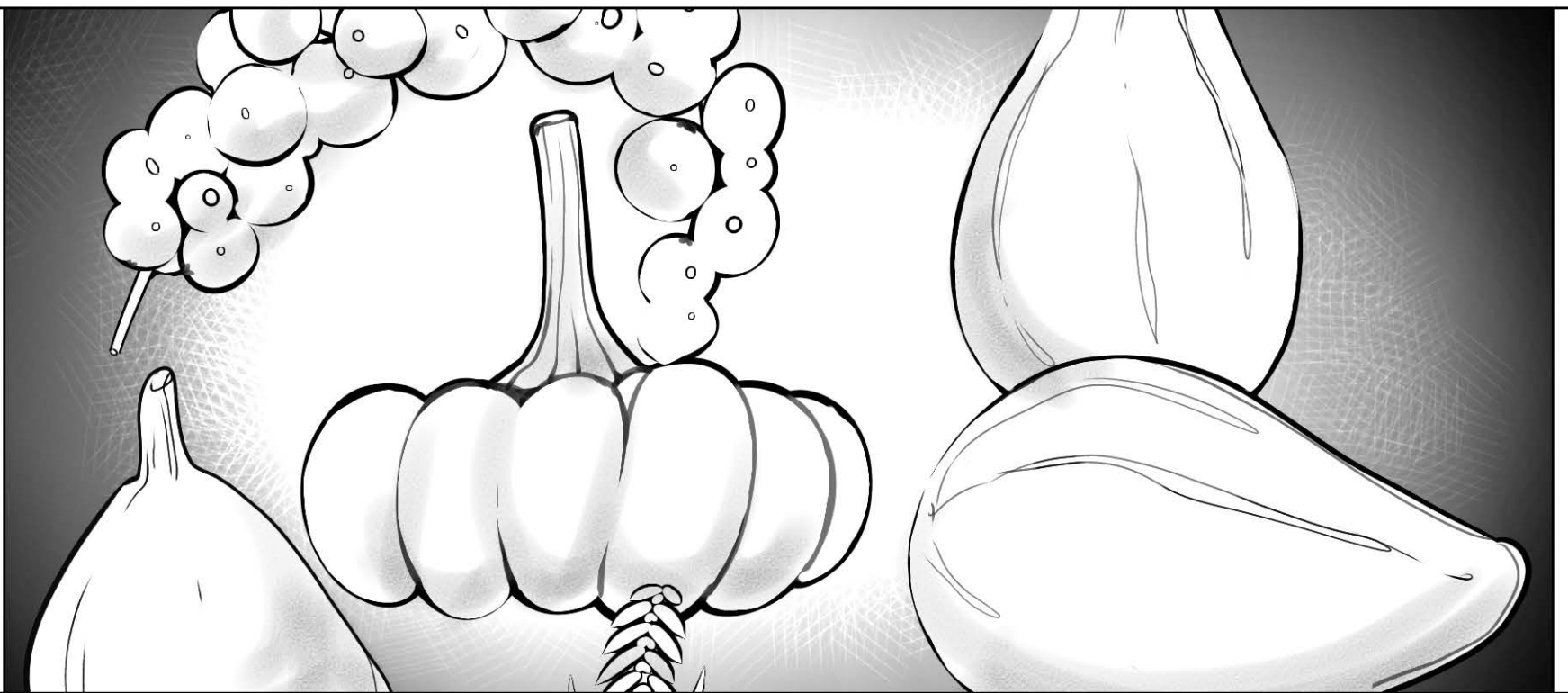
Every week, they take note of what is the situation of the seeds. Of course theres trial and error within the procedure.

If this experiment succeeds, it will be very helpful for us. Because of humans. Humans may have the answer to lessen the global hunger on earth.

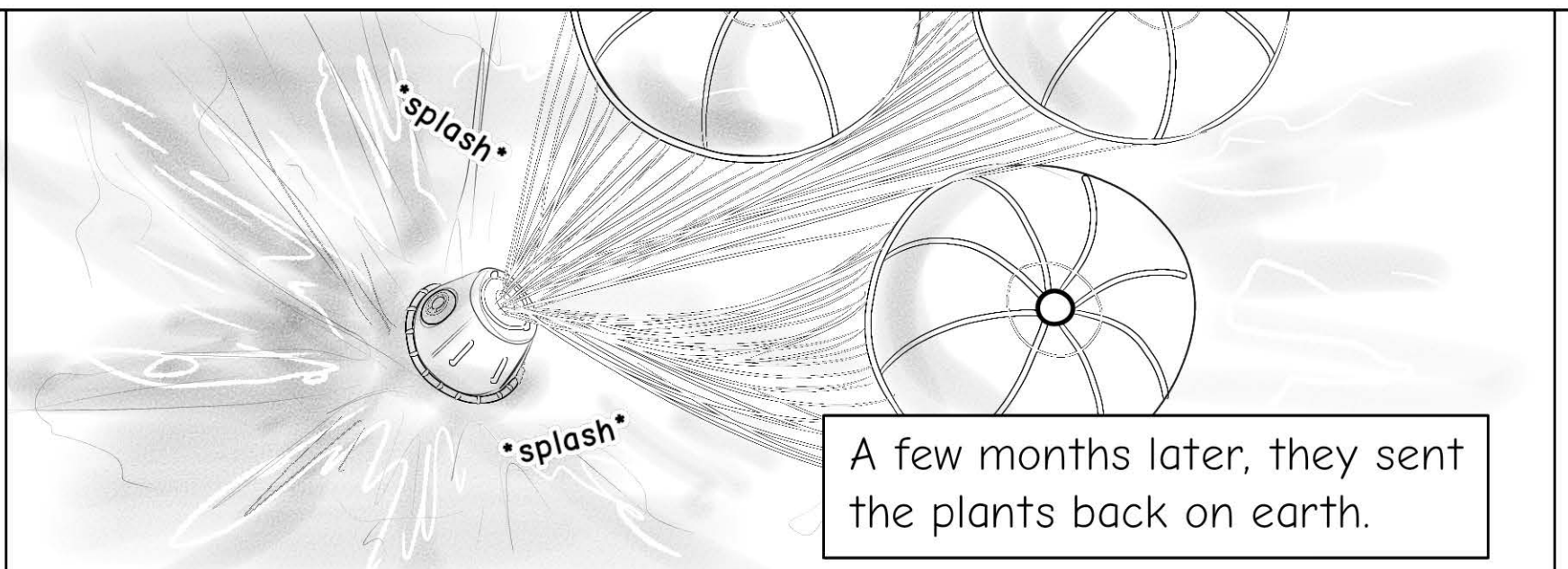




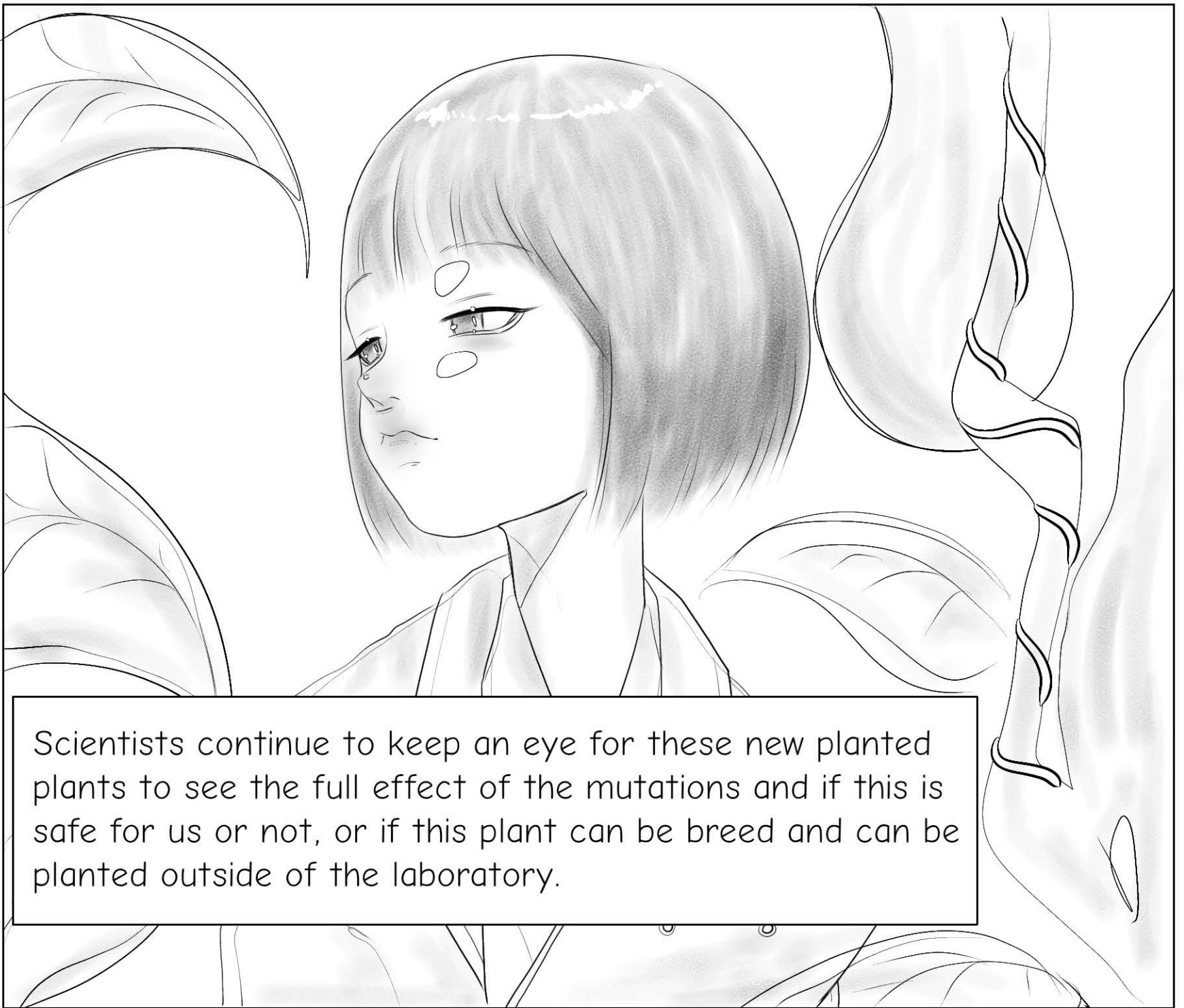
Upon their return, these seeds will be germinated, grown, and screened for desirable traits. These analyses will help to understand whether cosmic radiation and harsh space conditions (microgravity and extreme temperatures) will lead to crops becoming more resilient in the face of increasingly difficult growing conditions on earth.



While similar experiments have been carried out since 1946, it is the first time the IAEA and FAO are conducting an astrobiology project, based on 60 years of experience of the Joint FAO/IAEA Centre of Nuclear Techniques in Food Agriculture in inducing mutations in plants for improving crops.



A few months later, they sent the plants back on earth.



Scientists continue to keep an eye for these new planted plants to see the full effect of the mutations and if this is safe for us or not, or if this plant can be breed and can be planted outside of the laboratory.

The results of this mutation in plants were unbelievable. It made the plants grow larger, and the shape of this plant changed as if these plants were from a different planet.

It is sad that because of the cruelty of the humans, we needed this experiment just so we could save our abusive people and home from dying.

"As the world grapples with adapting to consequences of climate change, we need to speed up with plant breeding research to find adequate and cost-effective solutions"

— Najat Mokhtar

