

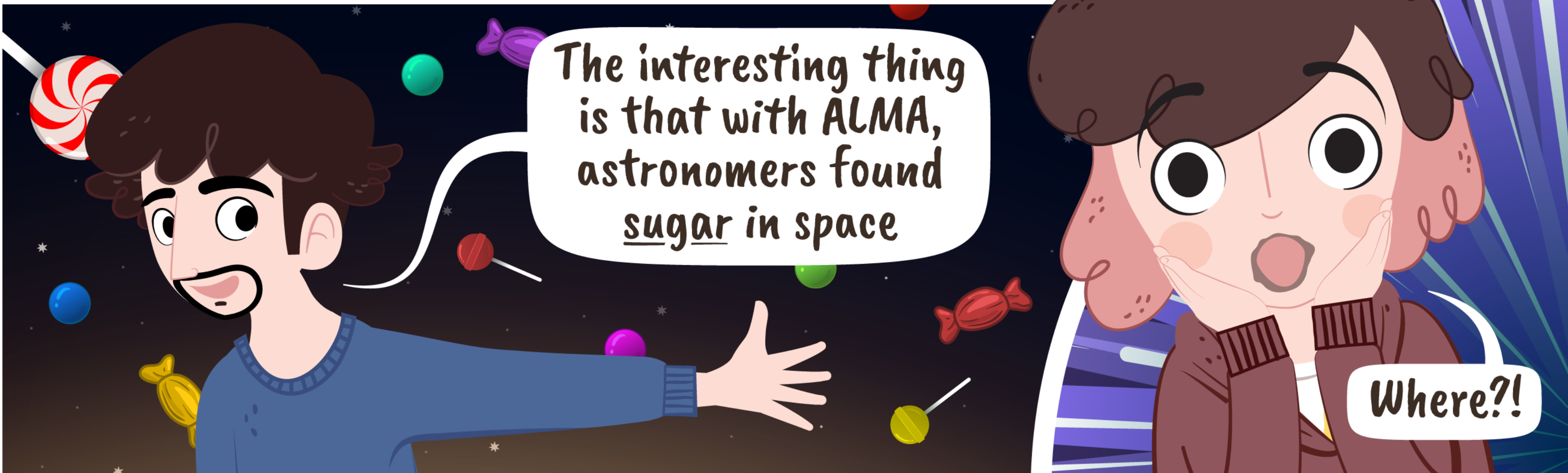
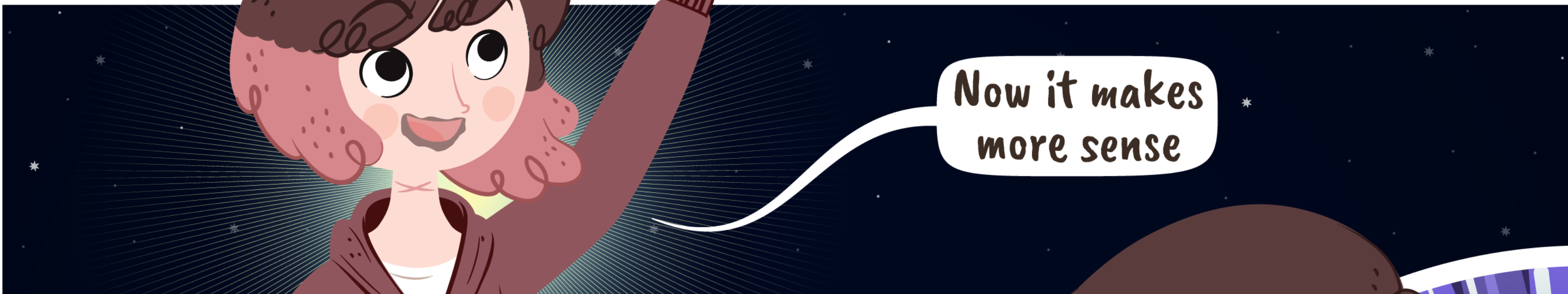
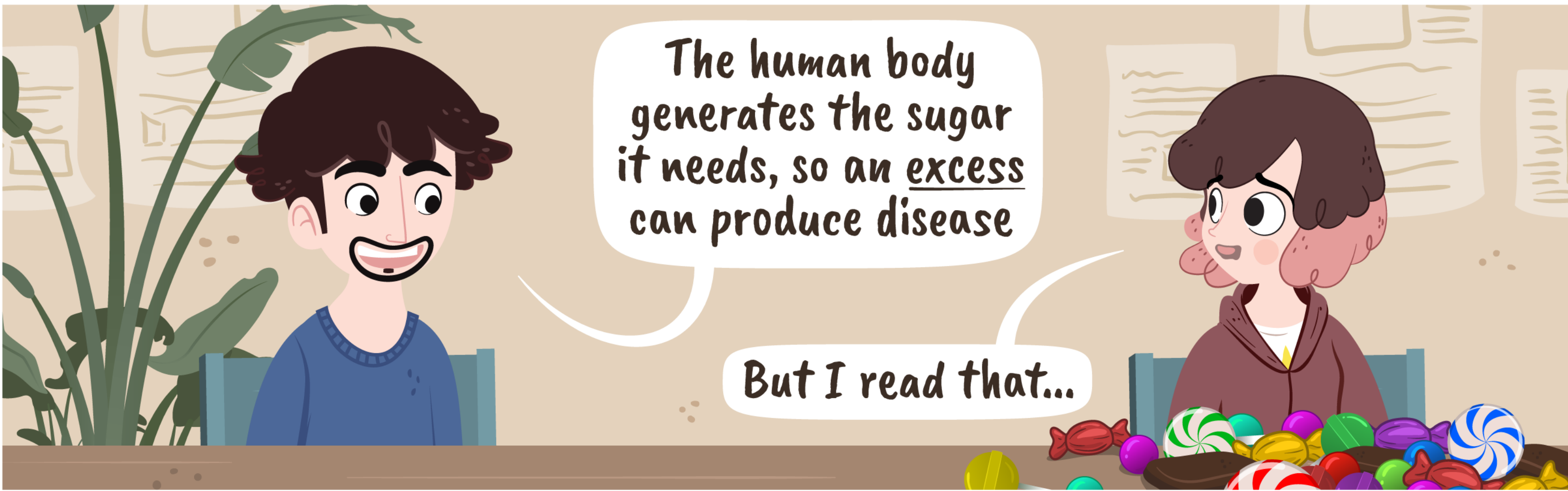
# The ADVENTURES — OF — TALMA \* ALMA

TODAY

"SUGAR IN SPACE"









In the gas that surrounds  
a star similar to our Sun  
400 light-years away

IRAS  
16293-2422

C - Carbon  
O - Oxygen  
H - Hydrogen

Sugar Molecule  
(Glycoaldehyde)

How do they  
know it's sugar  
if it's so far  
away?

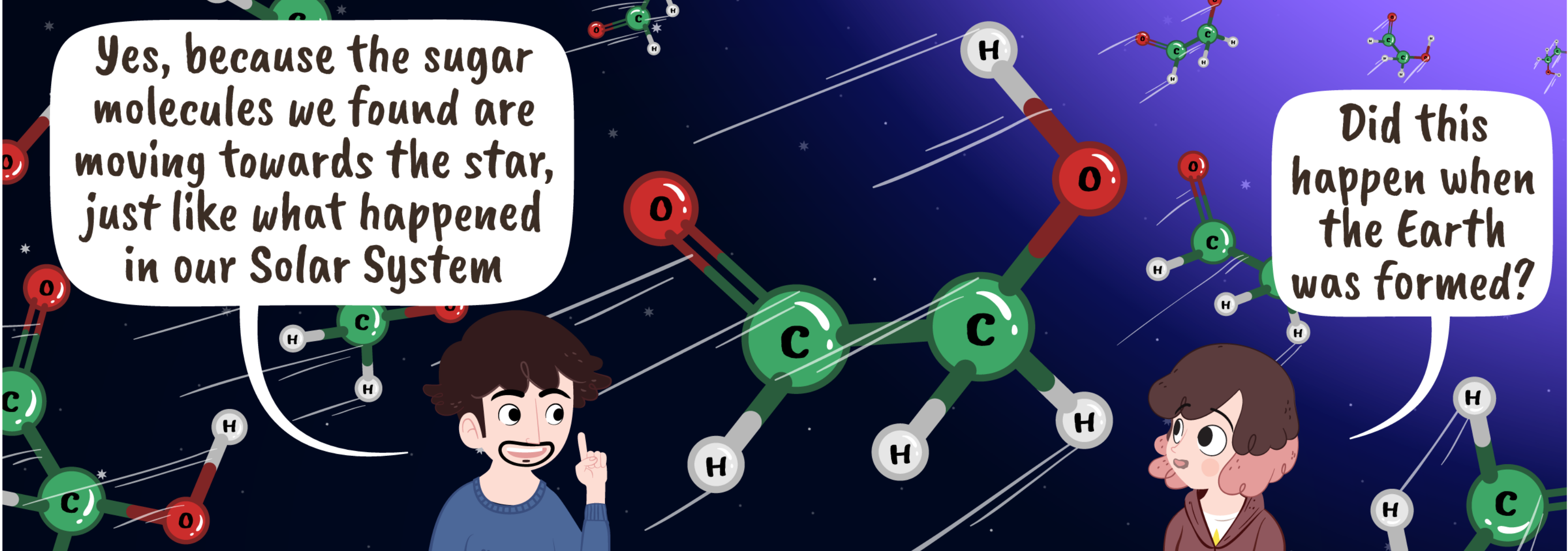
Because each molecule of  
the Universe vibrates and  
emits a unique combination  
of wavelengths; like an  
FM radio, ALMA can  
'tune in' molecules.  
That is how we identify it  
with ALMA here on Earth

So it's a  
sweet gas!

Ha ha, that's not all.  
This discovery has  
led us to believe that  
there might be life  
on other planets

Really?!





Yes, because the sugar molecules we found are moving towards the star, just like what happened in our Solar System

Did this happen when the Earth was formed?



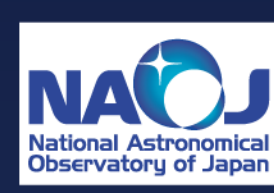
Exactly! 4.500 million years ago

What a sweet discovery!



I think that's enough sugar for today

The End



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