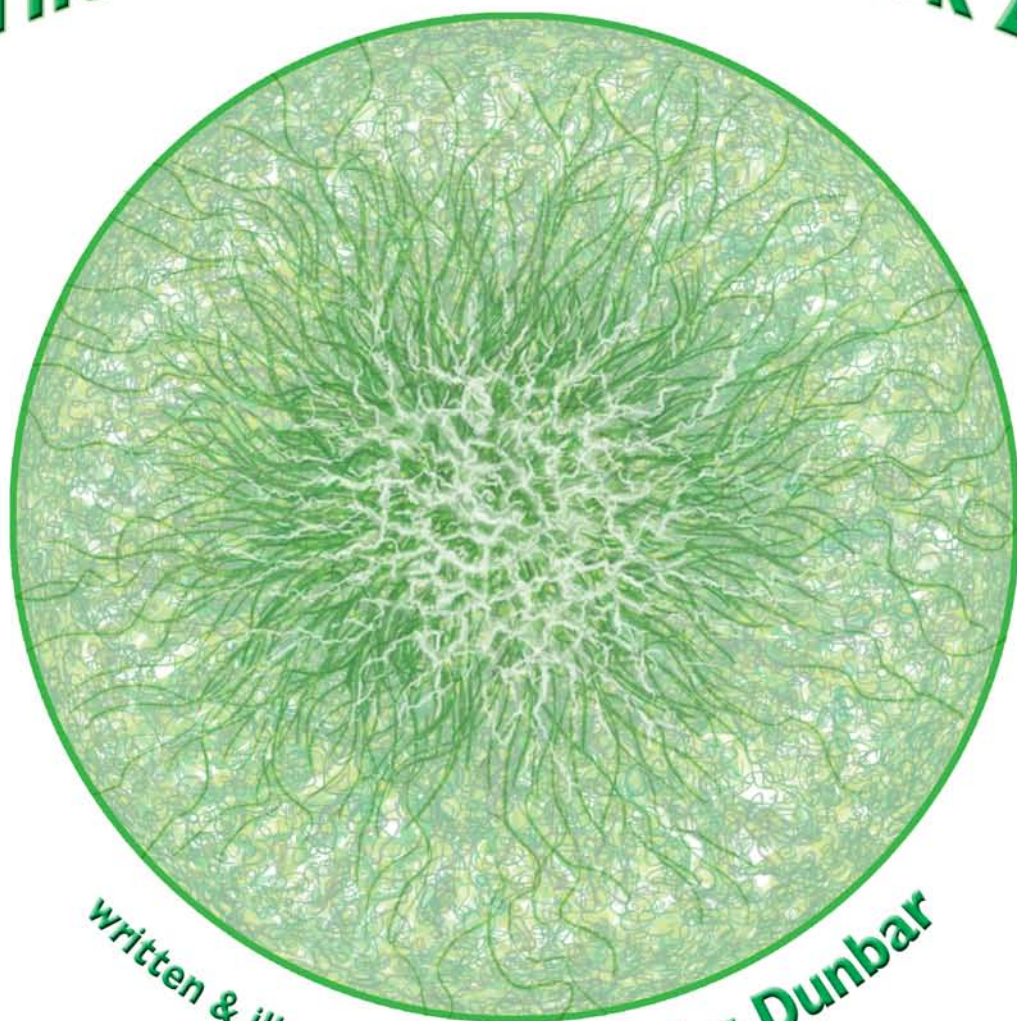


It's ALIVE!

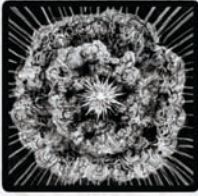
The Universe Verse: Book 2



written & illustrated by **James Lu Dunbar**

The universe

started out

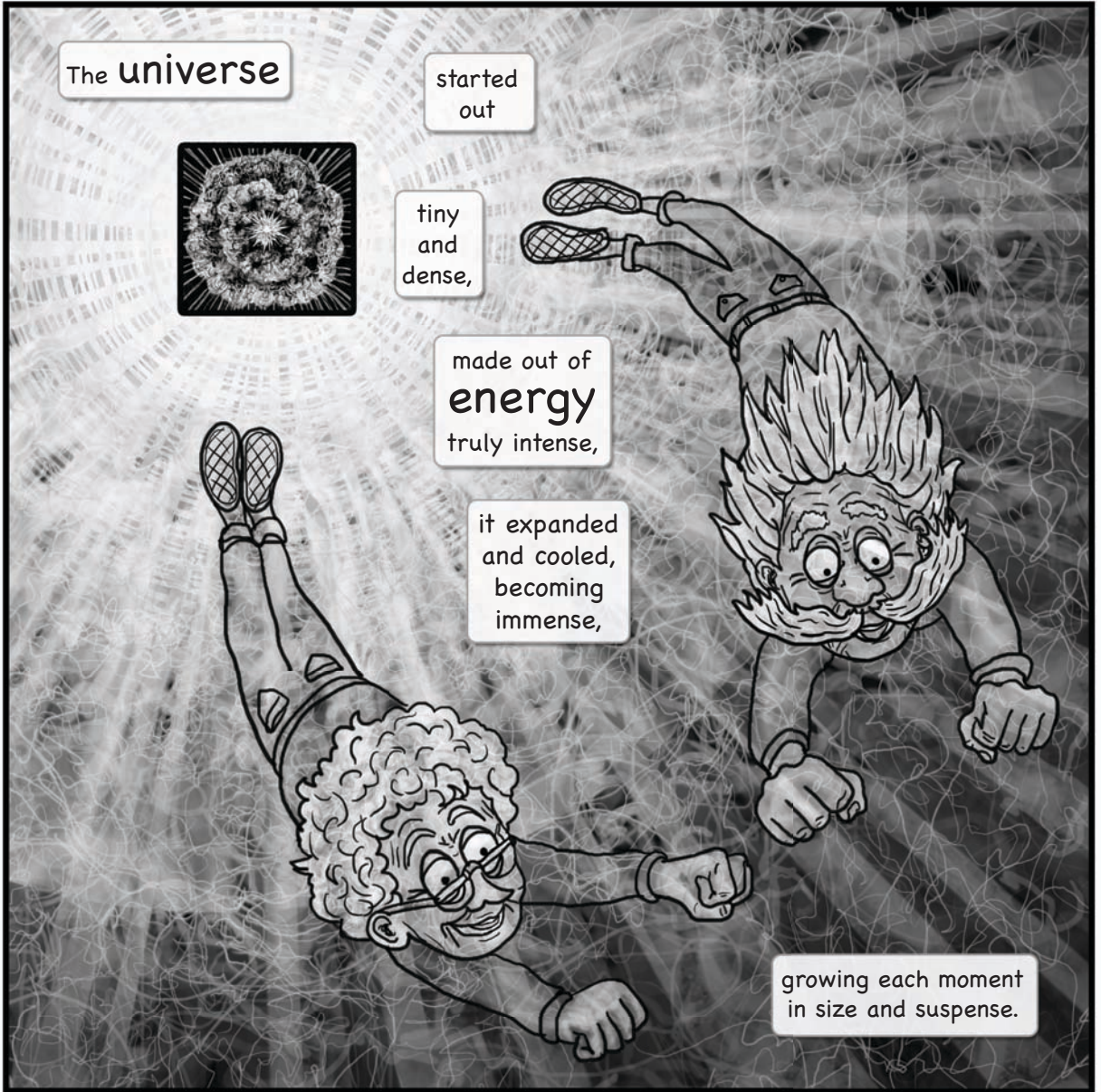


tiny and dense,

made out of energy truly intense,

it expanded and cooled, becoming immense,

growing each moment in size and suspense.



And it didn't take long for things to get weird,

as **fundamental forces** just up and appeared.



Then quickly
the **quarks**,

the first
particle
bits,

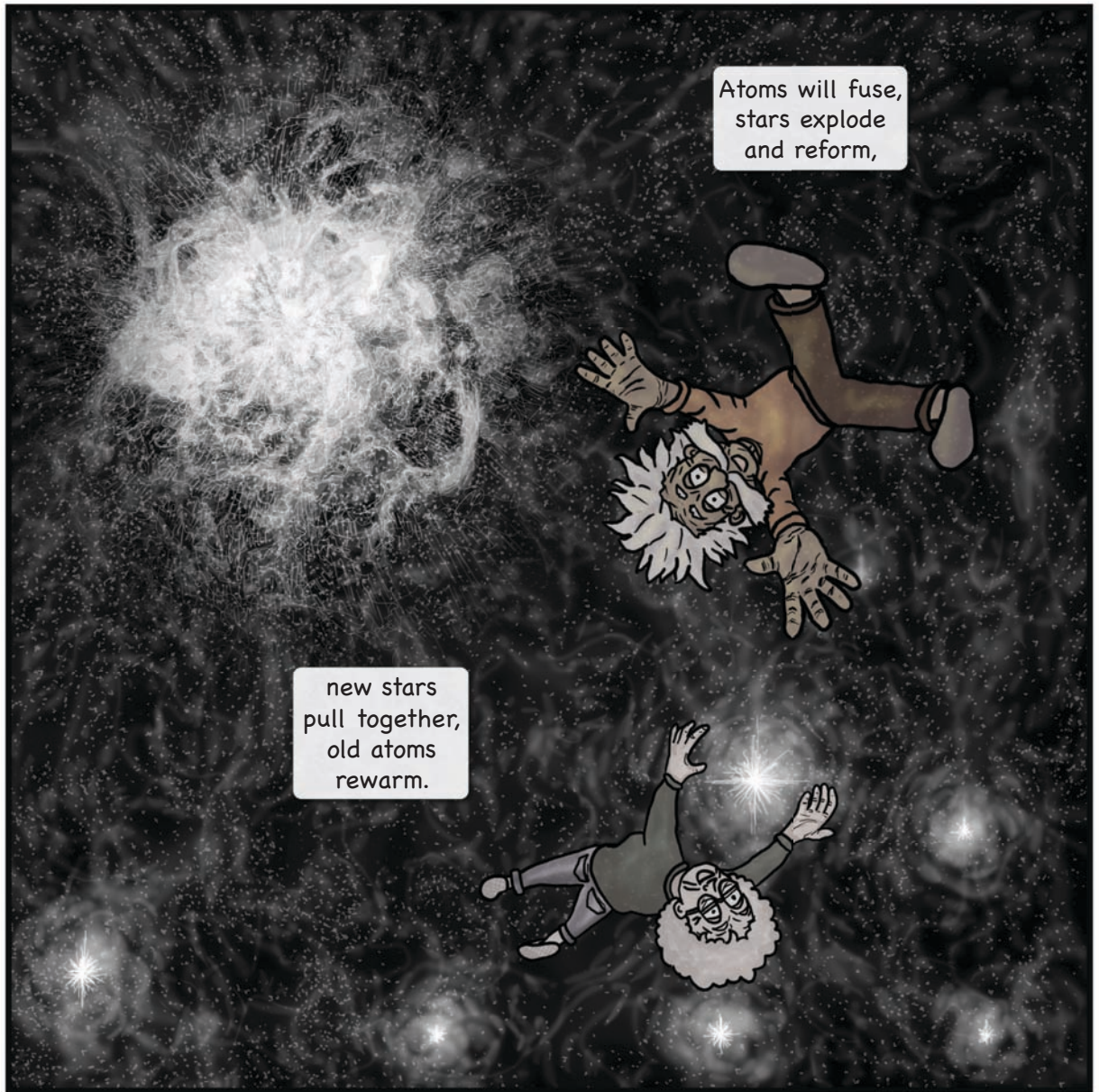
made out of
light,

in a bright
blinding blitz,

then **hadrons**
and **atoms**
in a flurry of fits.

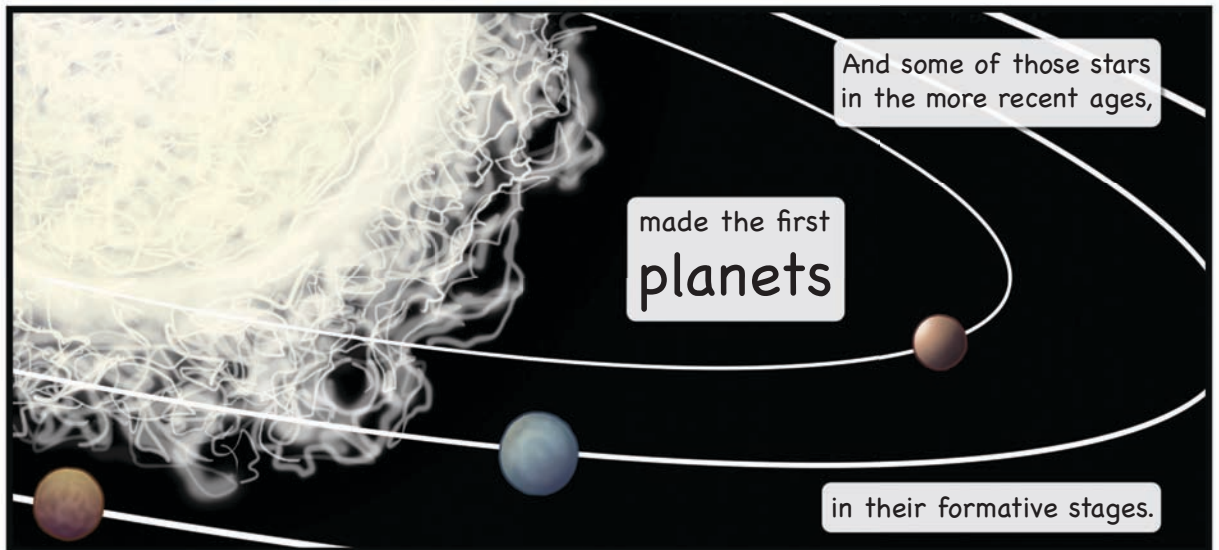
They built into
stars
whose centers ignite,

as particle parts
turn back into light.



Atoms will fuse,
stars explode
and reform,

new stars
pull together,
old atoms
rewarm.



And some of those stars
in the more recent ages,

made the first
planets

in their formative stages.

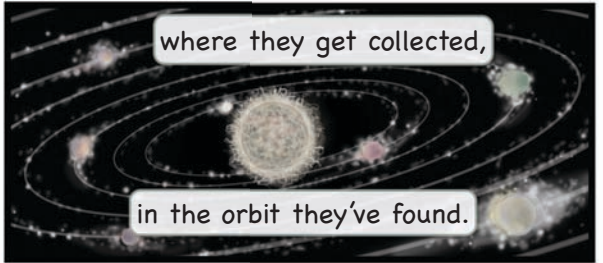


When heavier atoms are involved, it appears, stars can support small orbiting spheres.



Heavy atoms are ejected,

they go speeding round,

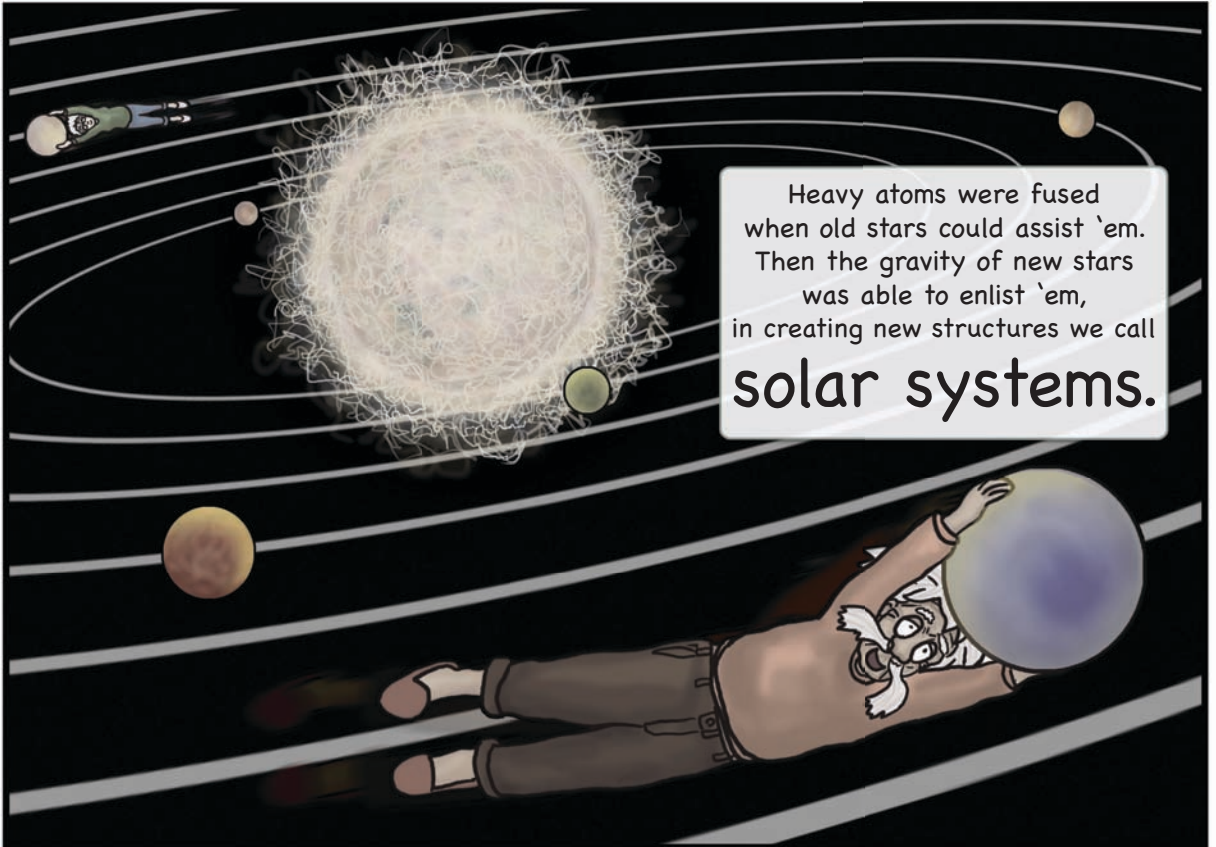


where they get collected,

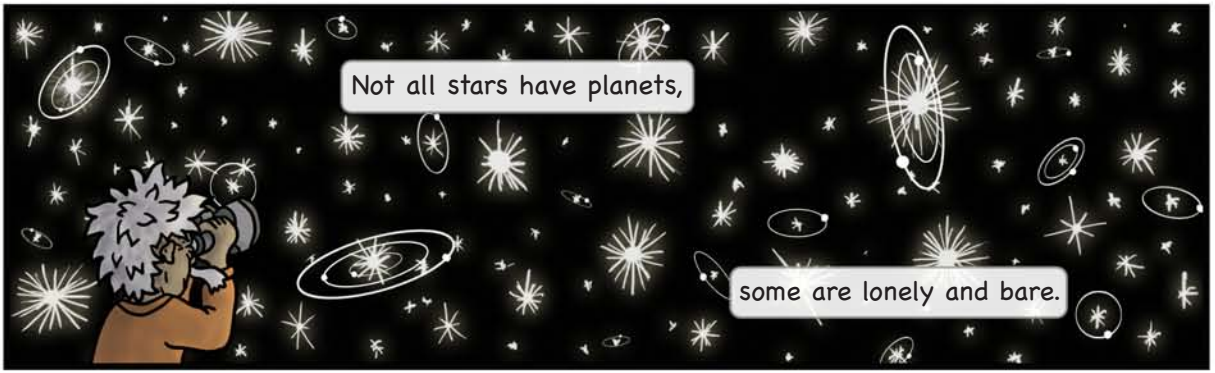
in the orbit they've found.



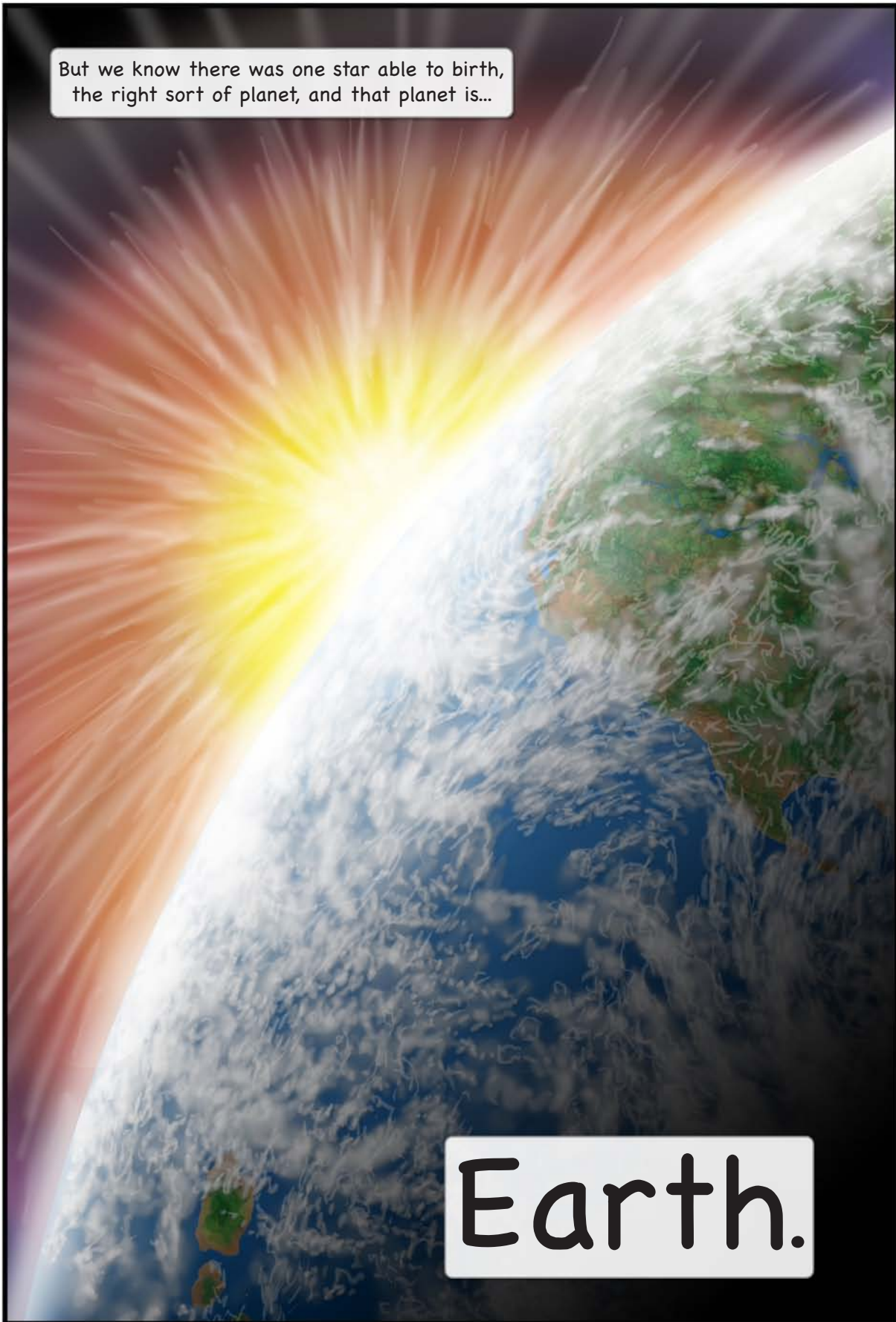
By gravity connected, to their star they stay bound.



Heavy atoms were fused when old stars could assist 'em. Then the gravity of new stars was able to enlist 'em, in creating new structures we call **solar systems.**



But we know there was one star able to birth,
the right sort of planet, and that planet is...



Earth.

Our Earth is a planet with features worth flaunting,

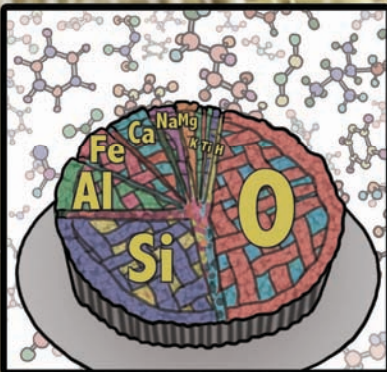


with all the right things to make creatures worth wanting.

It's in a perfect place, with the just-right position

to catch just enough of our sun's light emission.

It's got the right atoms, and the correct conditions,



for atoms to build into basic nutrition.

But at first the Earth was ugly and mean.



It was nothing compared with today's lively scene.



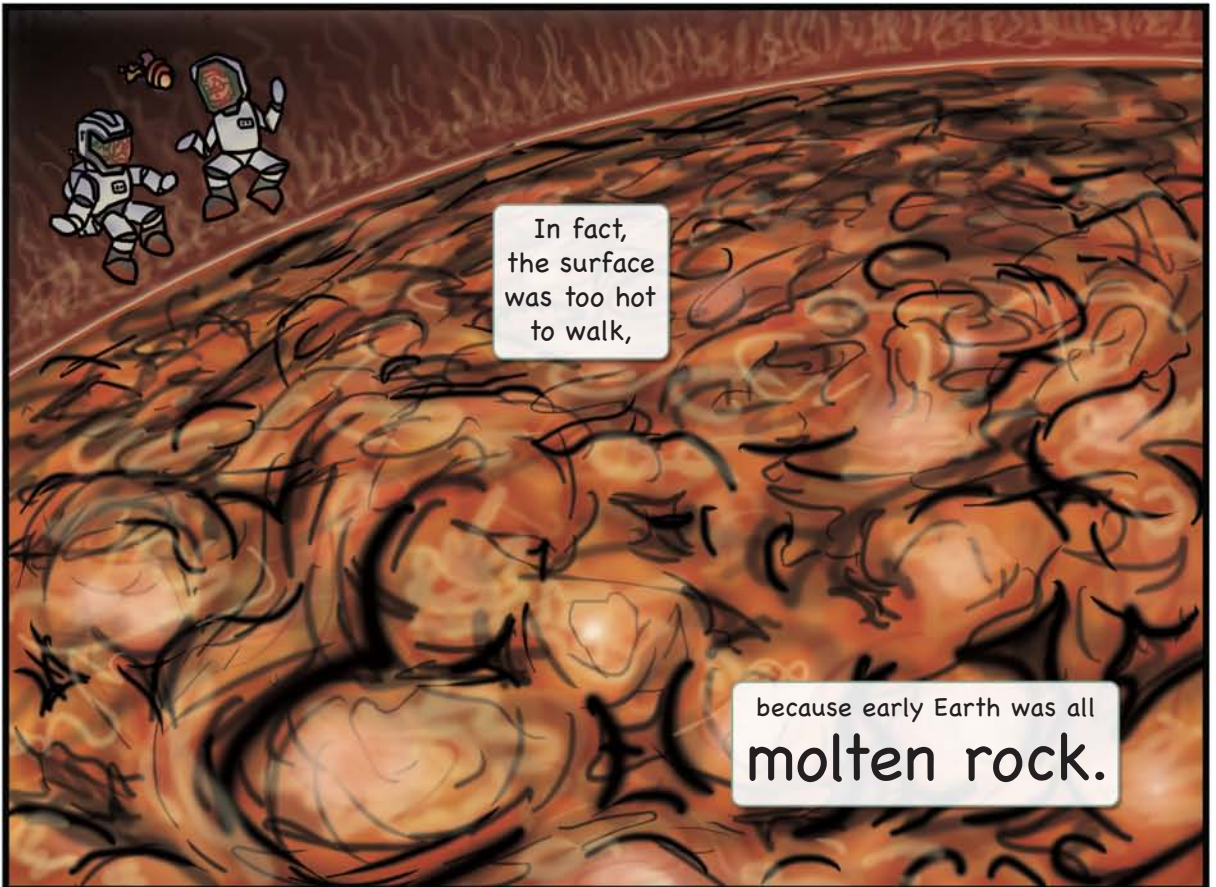
Nothing was living,

not one measly bean.

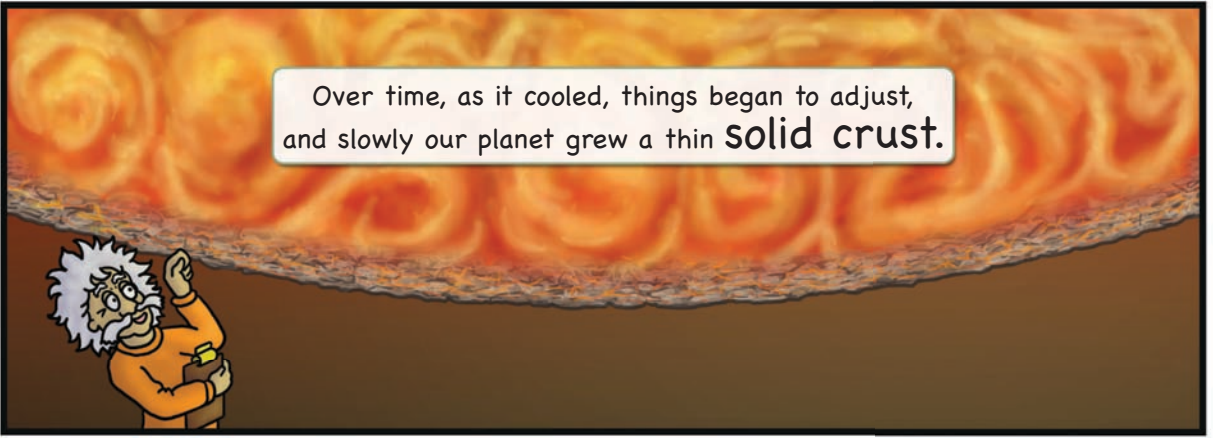


In fact, the surface was too hot to walk,

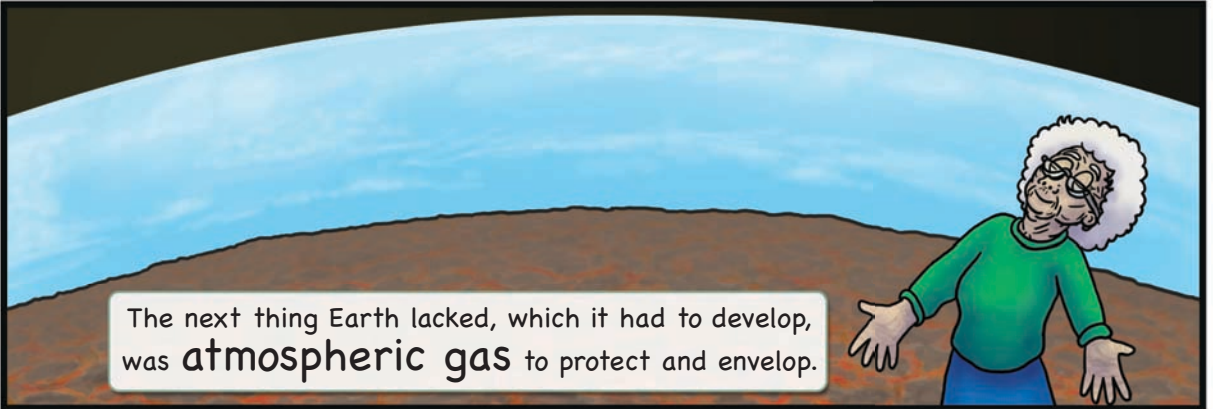
because early Earth was all molten rock.



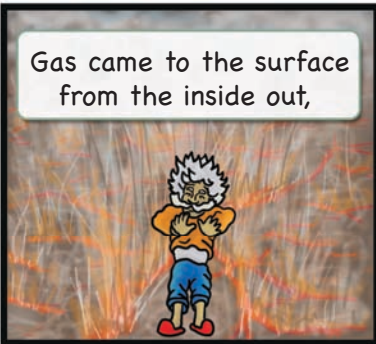
Over time, as it cooled, things began to adjust, and slowly our planet grew a thin **solid crust**.



The next thing Earth lacked, which it had to develop, was **atmospheric gas** to protect and envelop.



Gas came to the surface from the inside out,



as volcanoes erupted with many a spout,



and Earth's gravity



kept this gas hanging about.



Here atoms combine by their chemical rules,

to produce combinations we call **molecules**,

like **water**, the simplest of life-making tools.

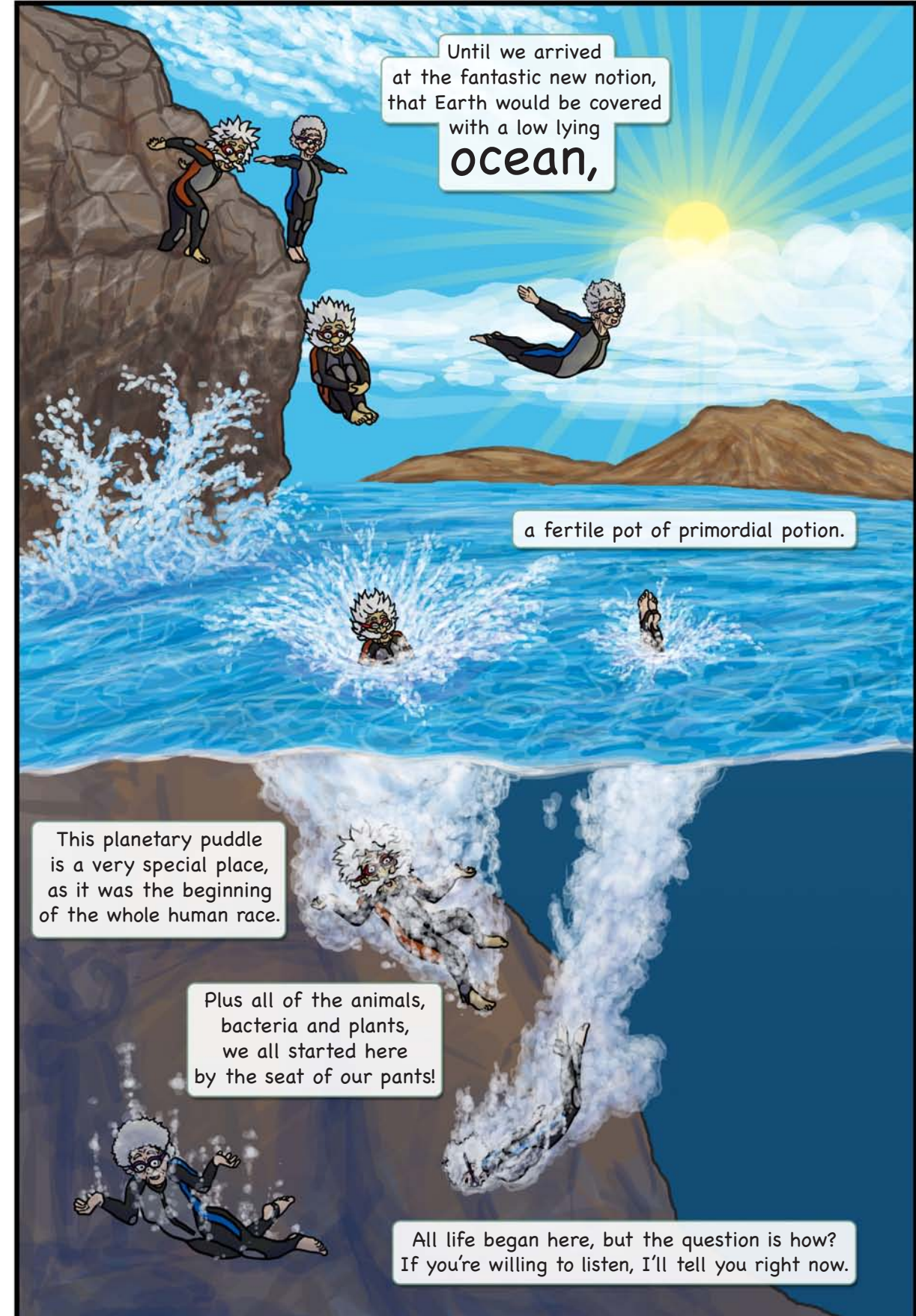
As the Earth cooled, it started to rain,

icy space comets

added more water gain.

The land became flooded,

with nowhere to drain.



Until we arrived
at the fantastic new notion,
that Earth would be covered
with a low lying
ocean,

a fertile pot of primordial potion.

This planetary puddle
is a very special place,
as it was the beginning
of the whole human race.

Plus all of the animals,
bacteria and plants,
we all started here
by the seat of our pants!

All life began here, but the question is how?
If you're willing to listen, I'll tell you right now.