



*Tiny flying box: A study of upper sky things very close
and very far away from each other.*

By Me and the tiny flying box friends





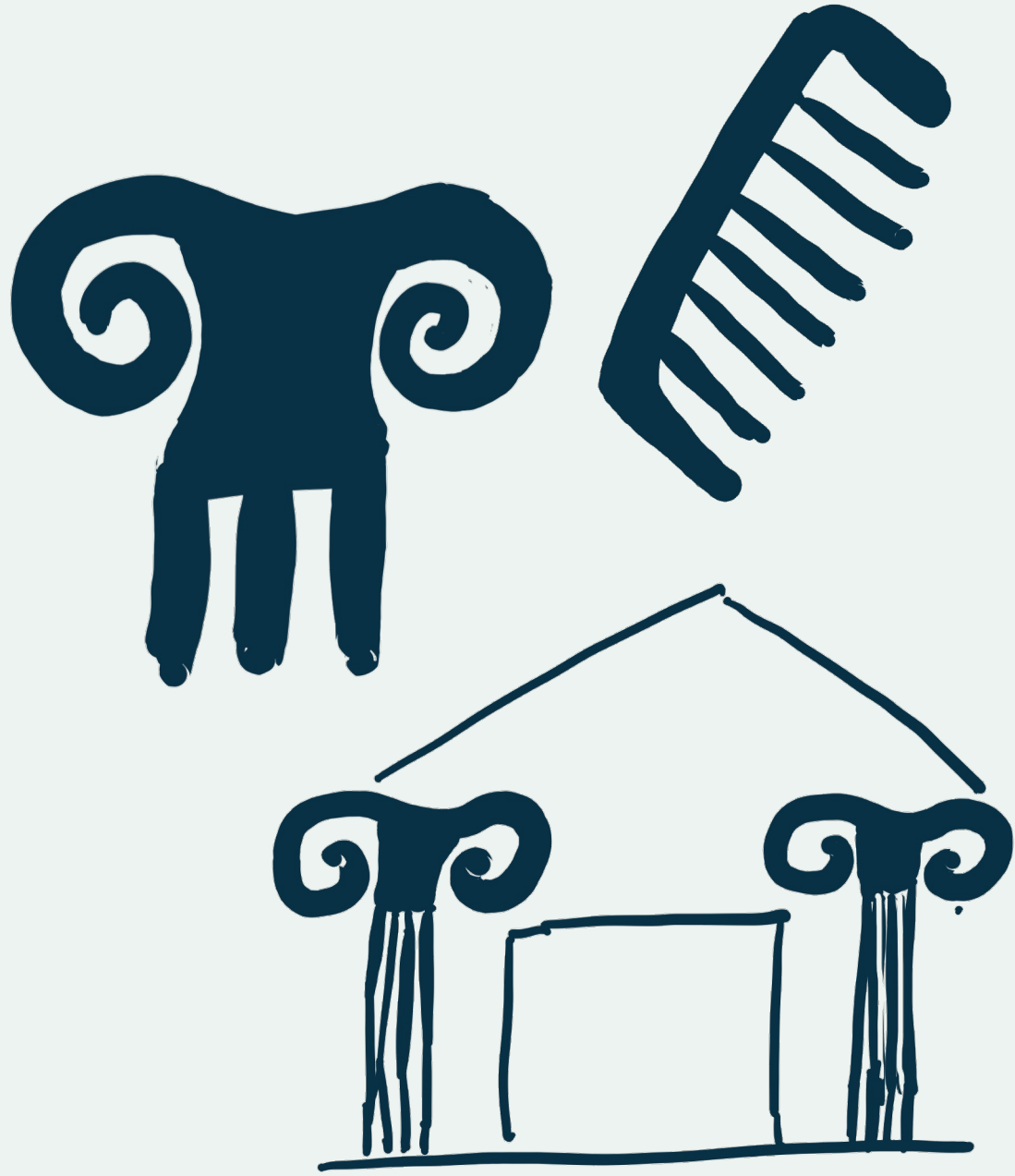
Here at the big
meeting many of
us come together
who are all from
different places.





Using simple words
and pictures can help
us understand each
other.

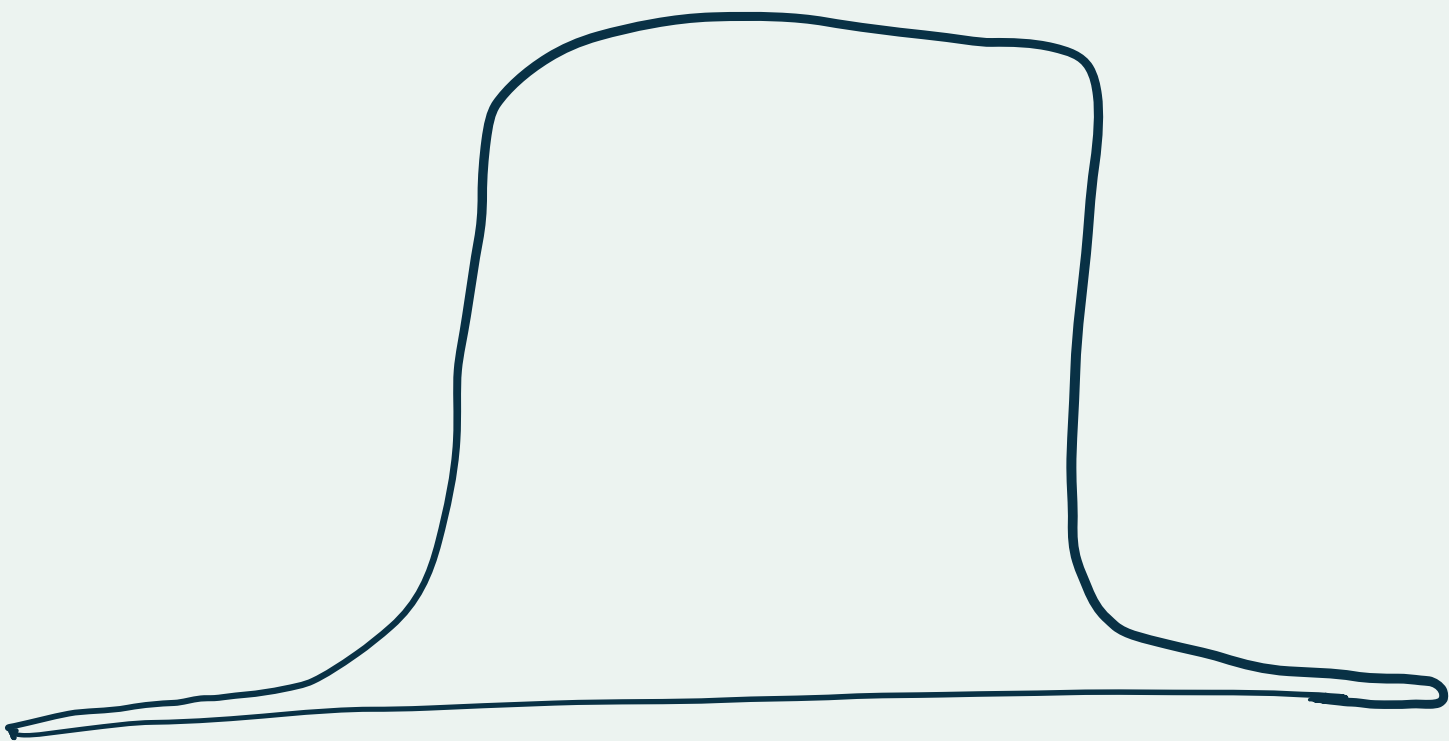




But sometimes we all see different things when we show pictures. I may see something to brush hair, but you may see a part of a building.



If I show you this
picture, what do you
see?

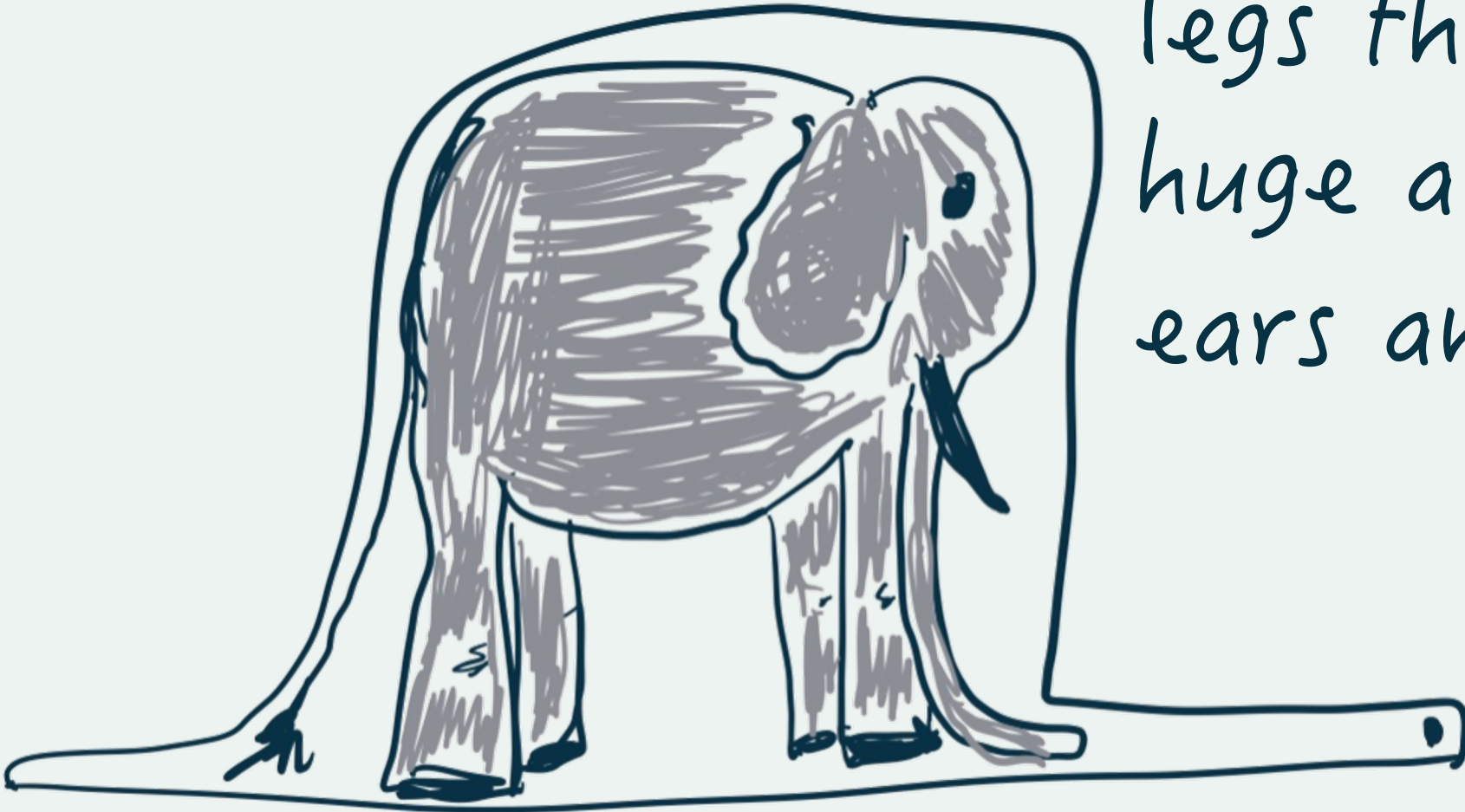




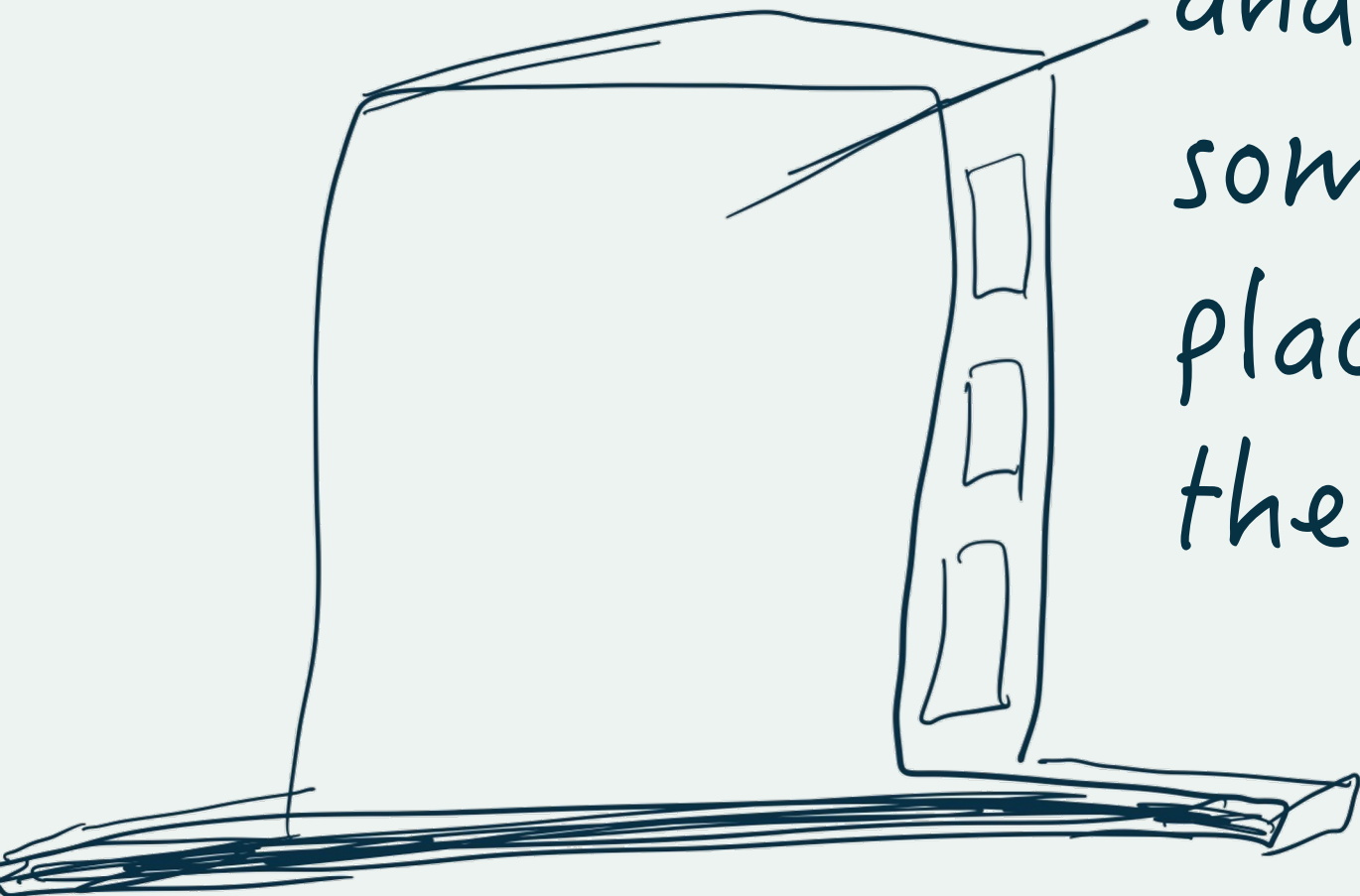
Do you see a
thing that sits on
your head?



Or, perhaps you see
an animal without
legs that ate another
huge animal with big
ears and a long nose.



I see a tiny box that
will help us fly through
and learn about a
sometimes-forgotten
place that sits between
the sky and space.

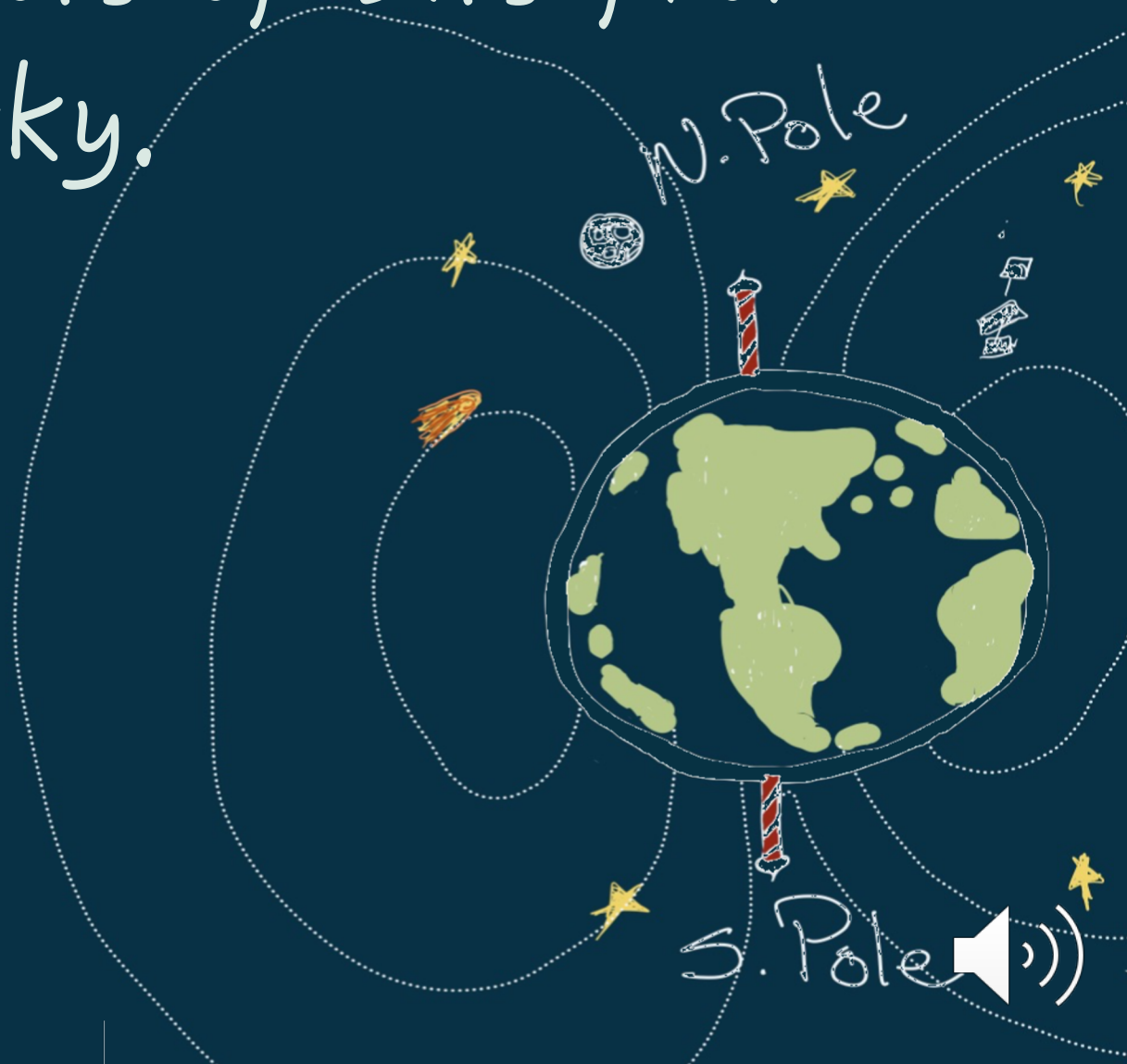




This is a story of a little flying box that is about to catch a ride and look at this place where the sky and space meet.



Our world has fields that go out into space and help stop lots of bits from the Sun hitting our sky.



Closer to the ground we have
the sky that has lots of wind.

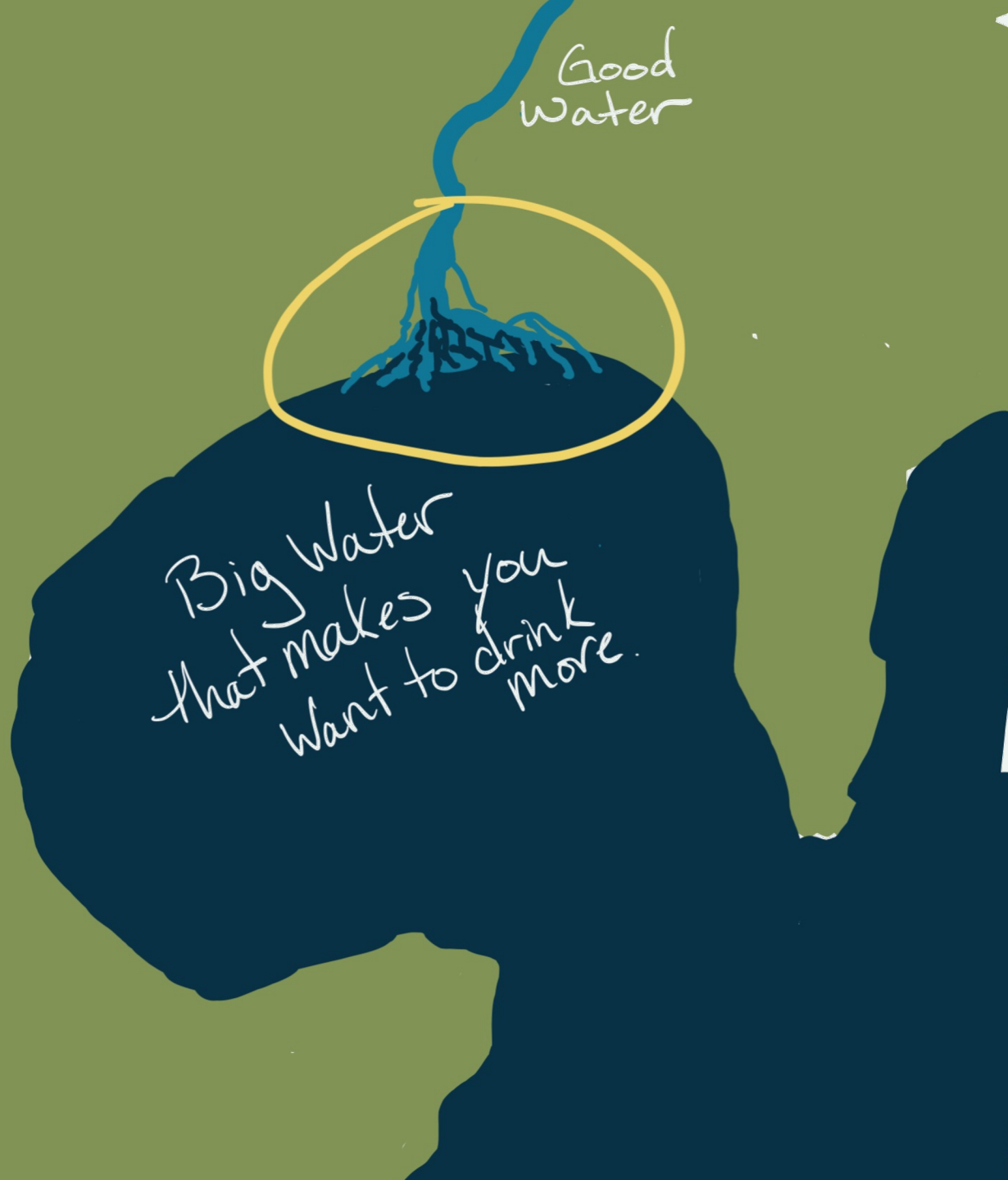




Where the sky and space meet is called the I-on-no-ball (?).

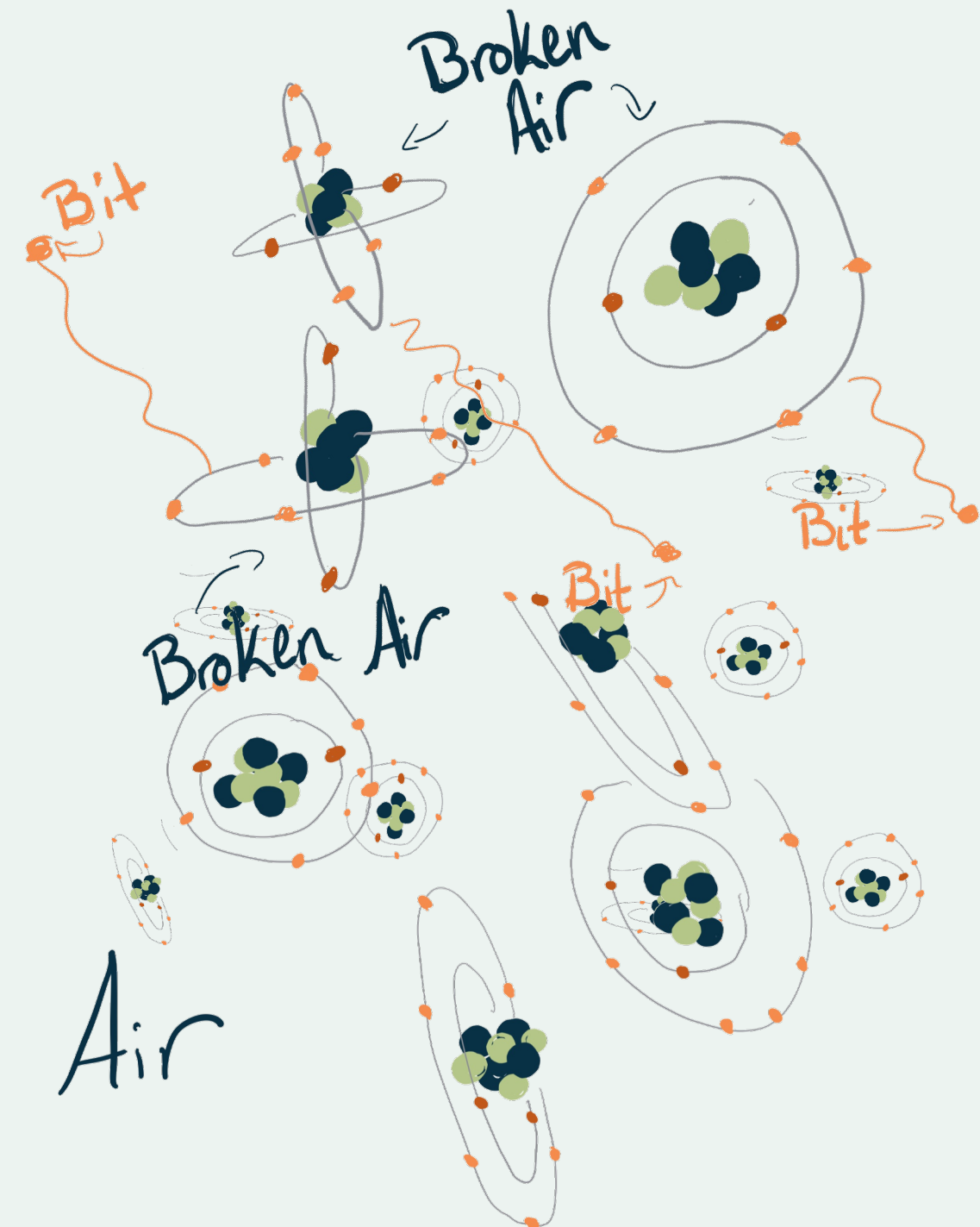
This place between sky and space ...





... is like where land water, water that is safe (sometimes) to drink, meets the big water that is not good to drink, and their waters come together.

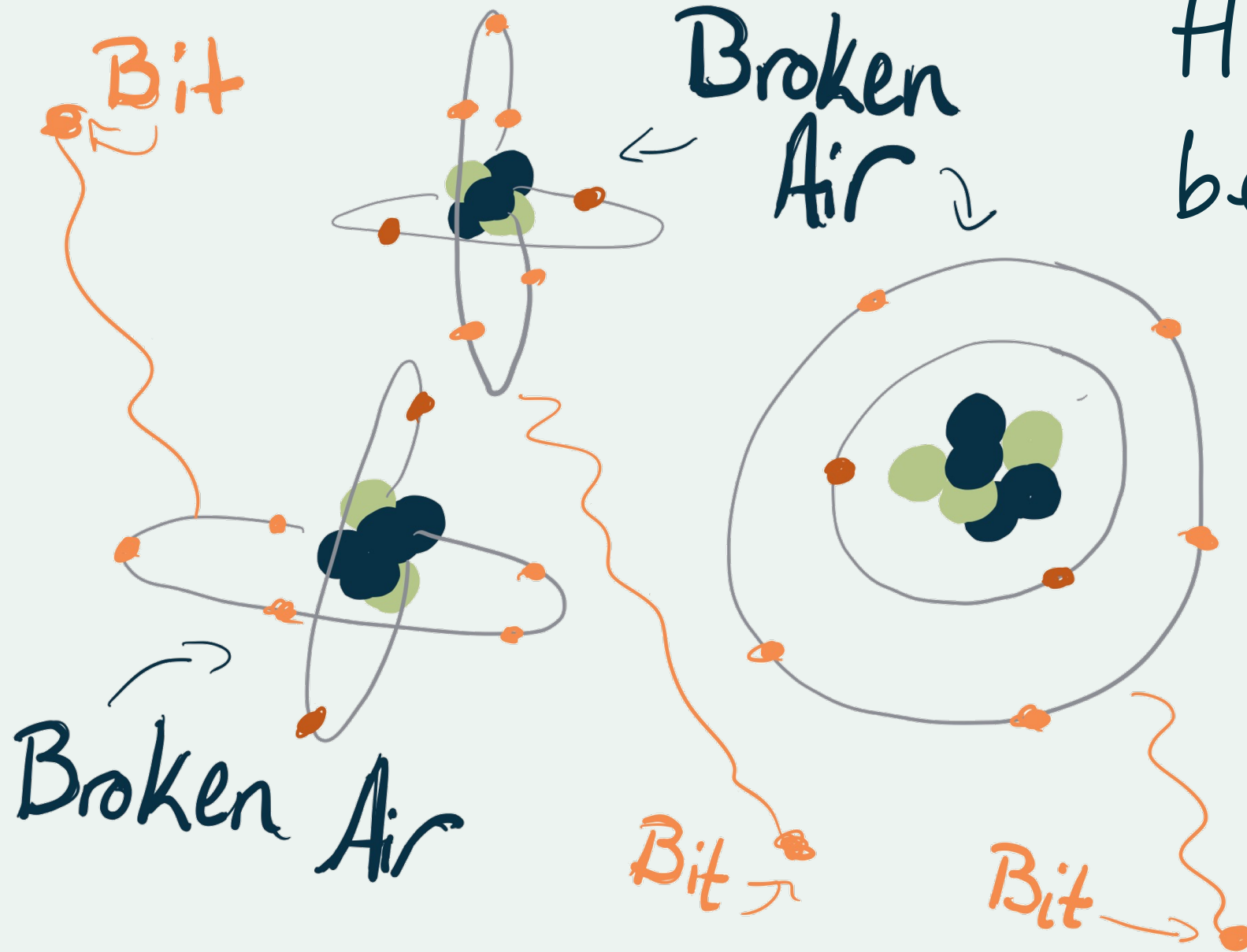


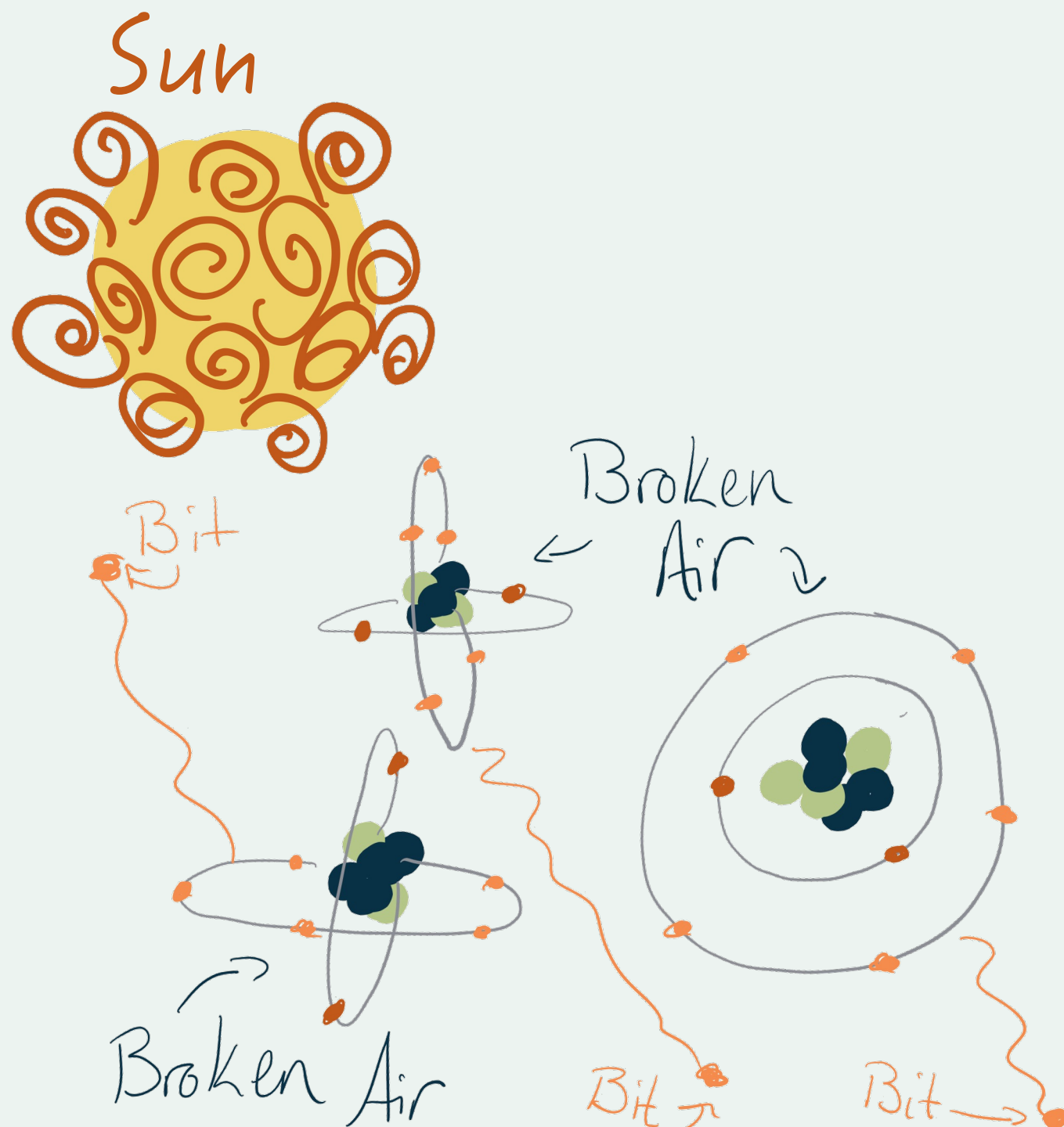


Where the sky and space meet you have air, broken air, and little bits from the air and from space.



How does the air become broken?

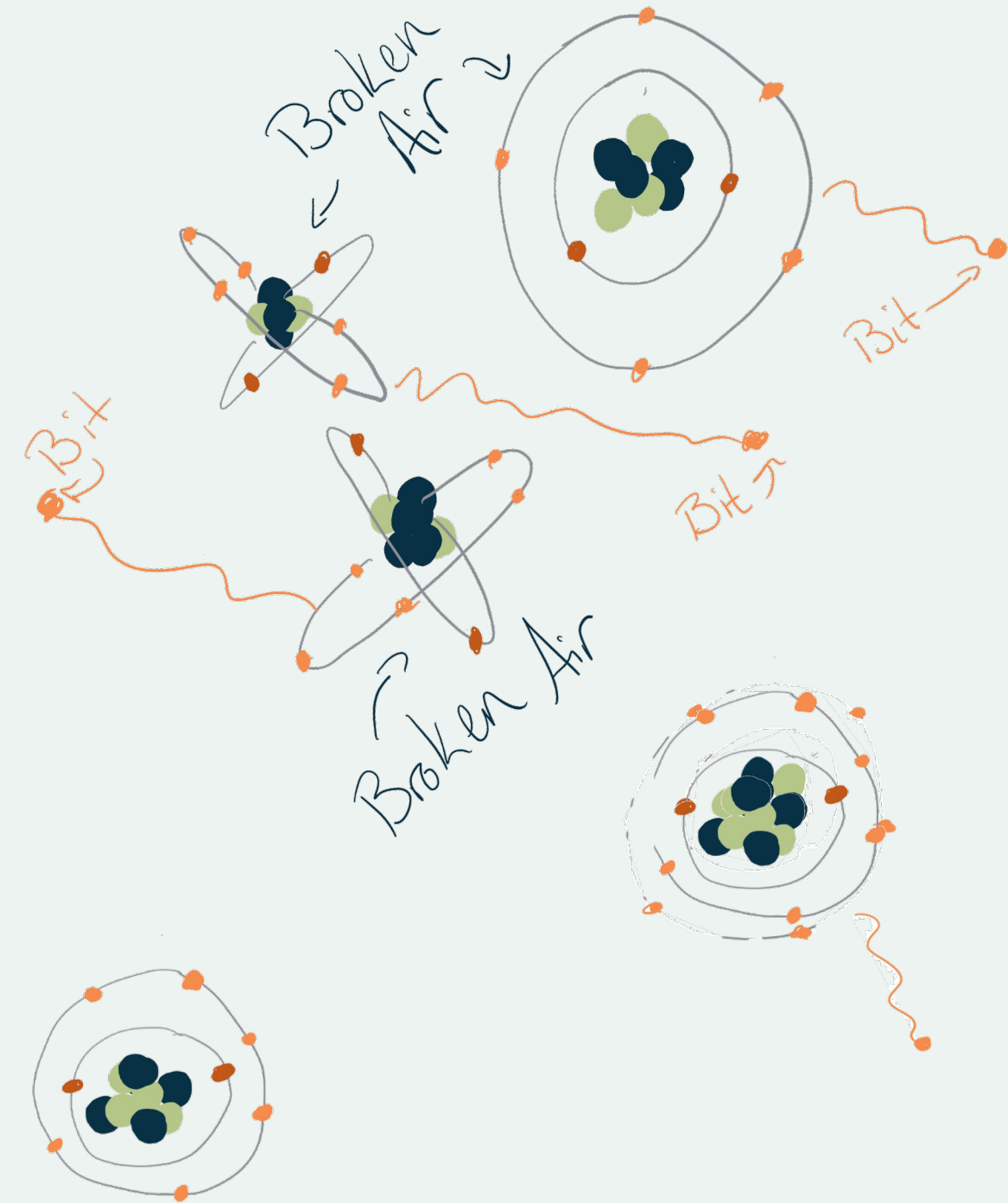




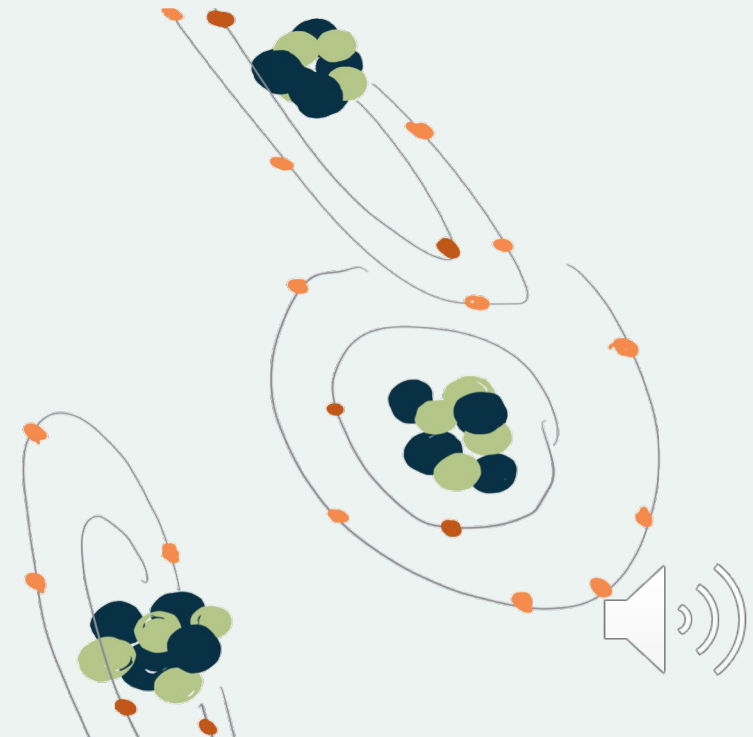
Little bits can come off kind of easily. Sometimes all it takes is for the air to see the Sun.

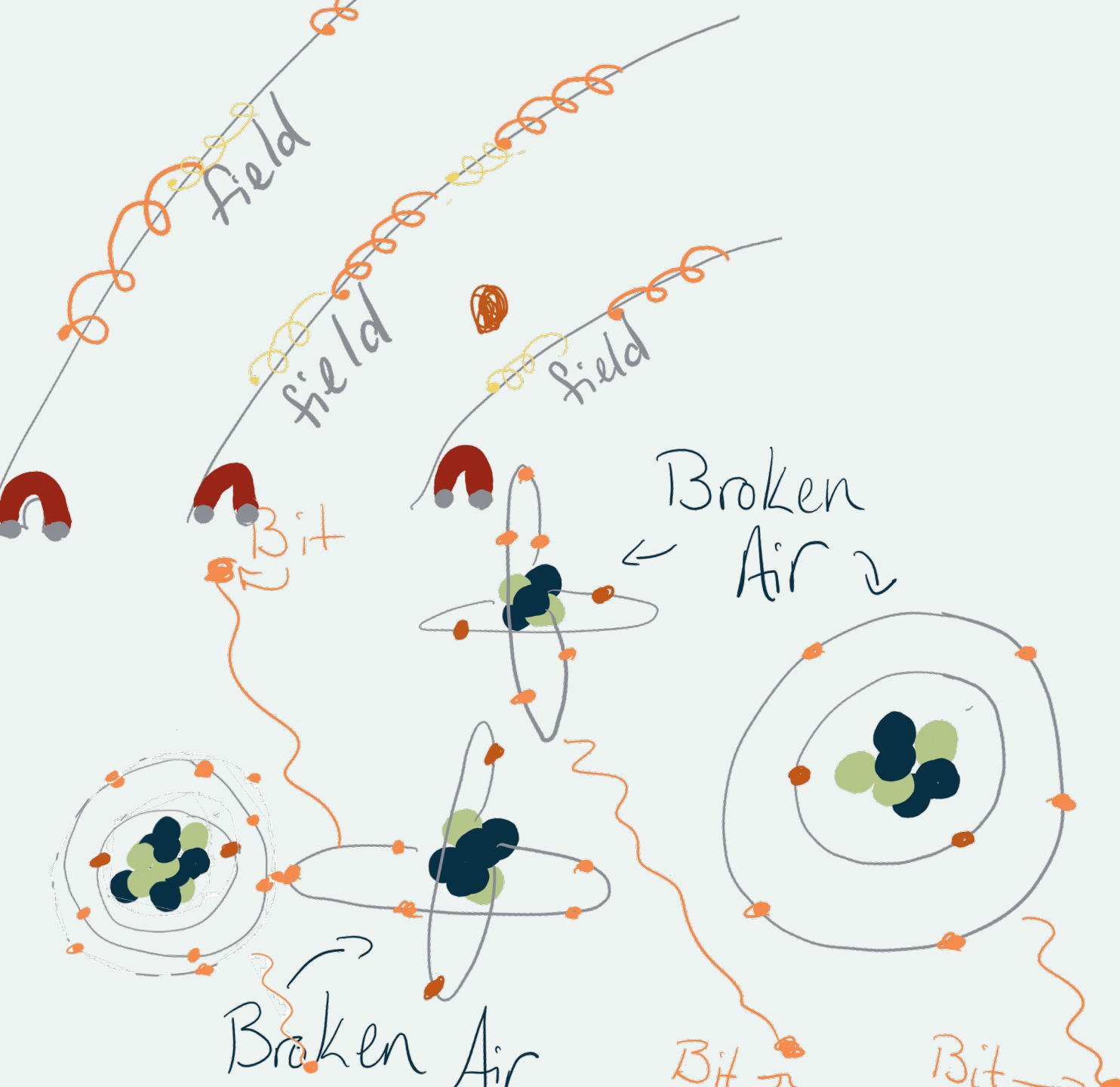


The air, bits, and broken air are close enough to hit and break each other.



Air





Other times you
need falling bits
from space to
break the air.



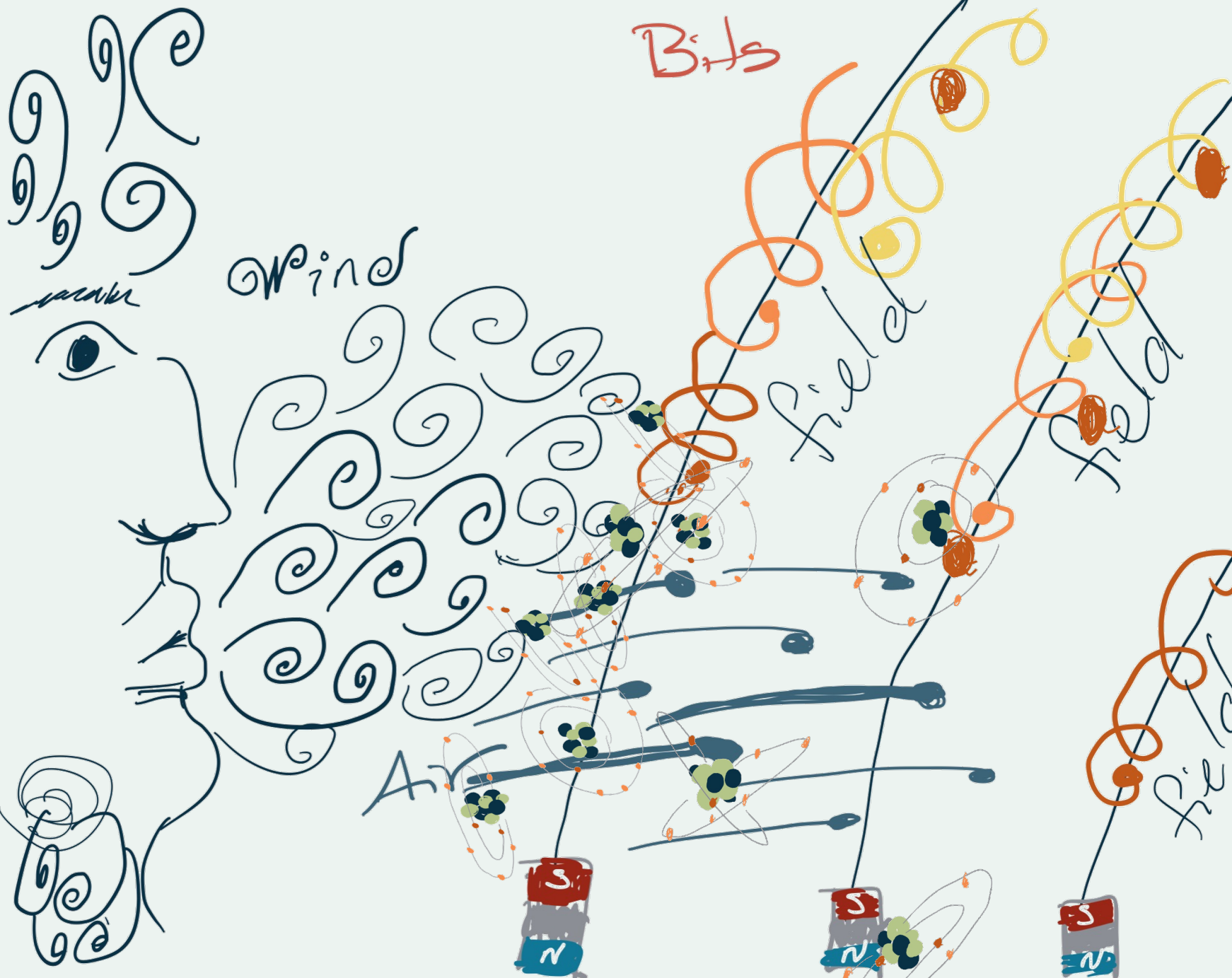


The bits from space and from the sky want to follow the fields, and the broken air also feels the pull along these lines.



The air that is not
missing bits like to follow
the sky winds.





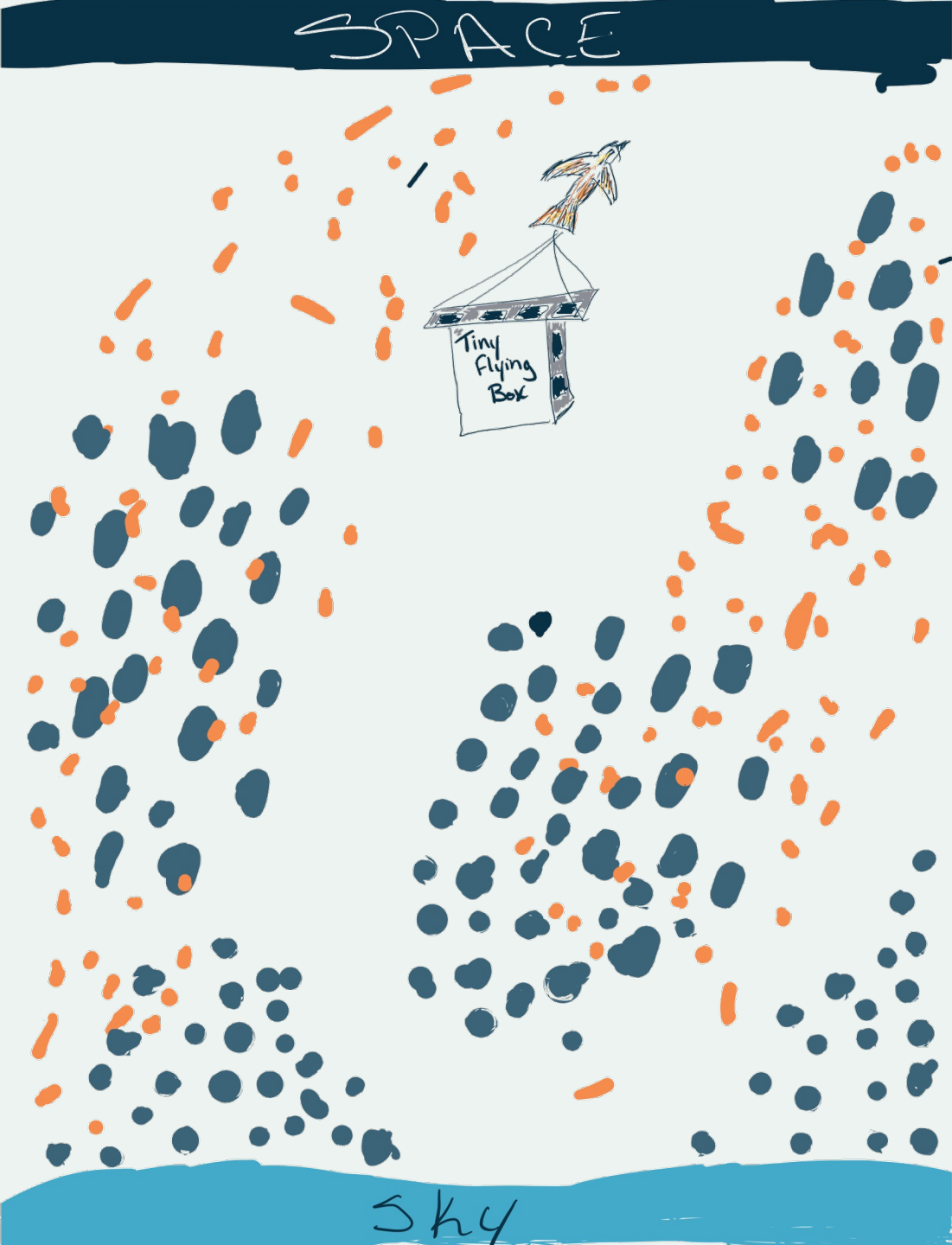
Everything
moving
around can
make it hard
to figure out
where the
broken air
will go.





This is what our tiny flying box (The TFB) will look at. The TFB will see what happens to make the broken air go in different directions.





With only one TFB it can be hard to know why the broken air moves the way it does.





The TFB may only see a part of the area where all the broken air comes together or goes a part.

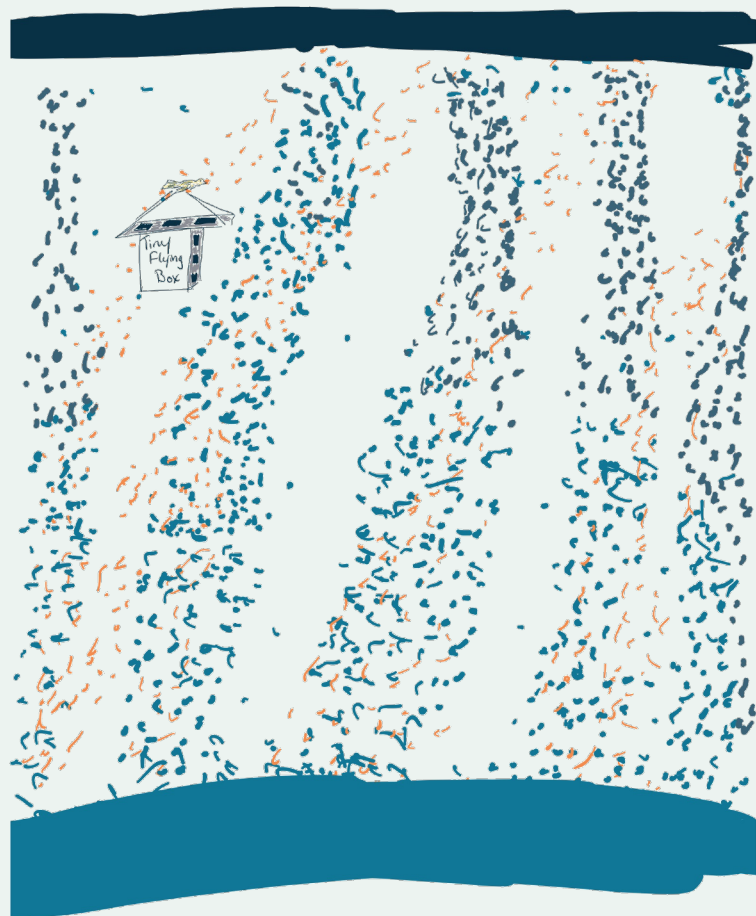
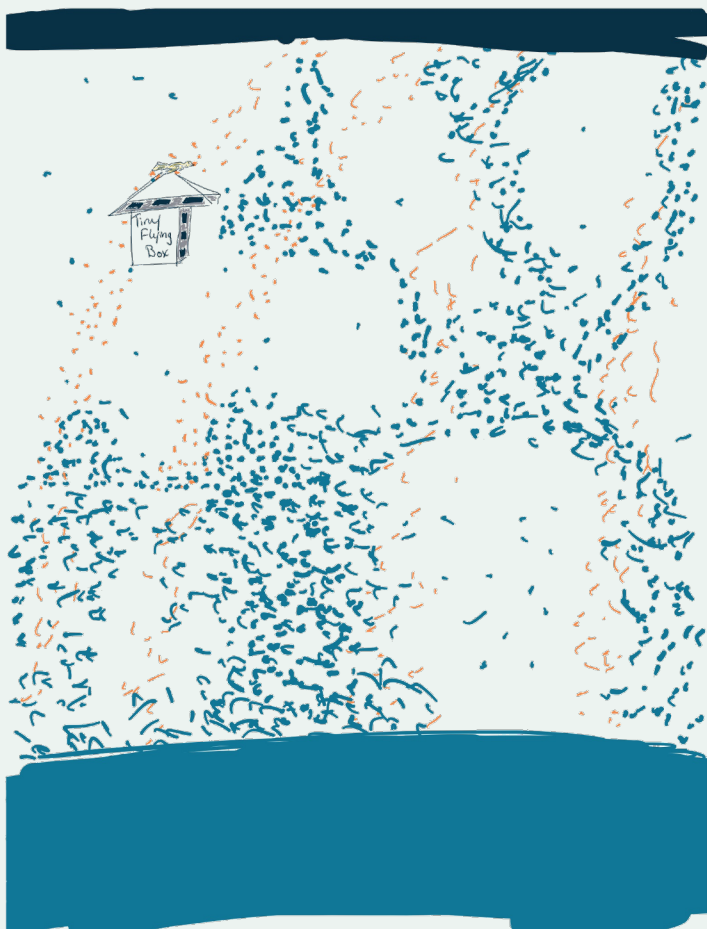




-- Big
area of
broken
Air?

Like the pictures at
the start of the talk,
it can be hard to
know what it shows.





Some may see
a strange area
of broken air.
Others may
see waves in
the broken air.





So we work with people who imagine the sky and space on computers.





What the TFB sees
will help them
imagine the world
better.





Before we can learn why parts of the sky come close together and sometimes far away from each other, we need to finish building the TFB.





The TFB will then
go on a big up goer
to visit where people
live in the sky.





It will sit there until they have time to push it out and send it on its way around the world.





We hope that the TFB will stay working in the sky for at least 6 months.





While this is not a long time, our short-lived TFB will help us better understand the upper parts of our sky.



Thank
you



Thank you for
learning about our
tiny flying box, and
make sure to wave
when we hope to fly
over your head at
next - next year's
big meeting.



Thank you to all the tiny
flying box friends:



Jeff Klenzing
Sarah Jones
Ryan Davidson

