



One year on Neptune is nearly **165 EARTH YEARS!**



Totally **WACKY**
FACTS ABOUT
PLANETS
and **STARS**

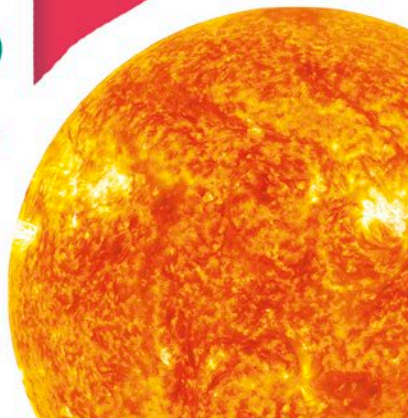
A chunk of ice in Saturn's rings can be as big as **A HOUSE!**



EMMA CARLSON BERNE

We are all made up of matter from **EXPLODED STARS!**

The Sun burps and bubbles like **BOILING PORRIDGE!**



Totally **WACKY**
FACTS ABOUT
P PLANETS
and **STARS**

EMMA CARLSON BERNE

raintree 
a Capstone company — publishers for children

**THE UNIVERSE
IS STILL
GROWING -
IT'S
EXPANDING
IN EVERY
DIRECTION.**

**No one has
worked out
how big the
UNIVERSE is.**



**The universe has
no end, no edges
and no boundaries.**

Stars move at over
3.2 million kilometres (2 million miles)
per hour as the universe

EXPANDS.





MANY PEOPLE BELIEVE
THAT THE UNIVERSE
EXPLODED INTO
EXISTENCE DURING
THE BIG BANG.



Before the **Big Bang**,
the entire universe
was the size of a

PEBBLE.

The universe
expanded from
a tiny mass in a

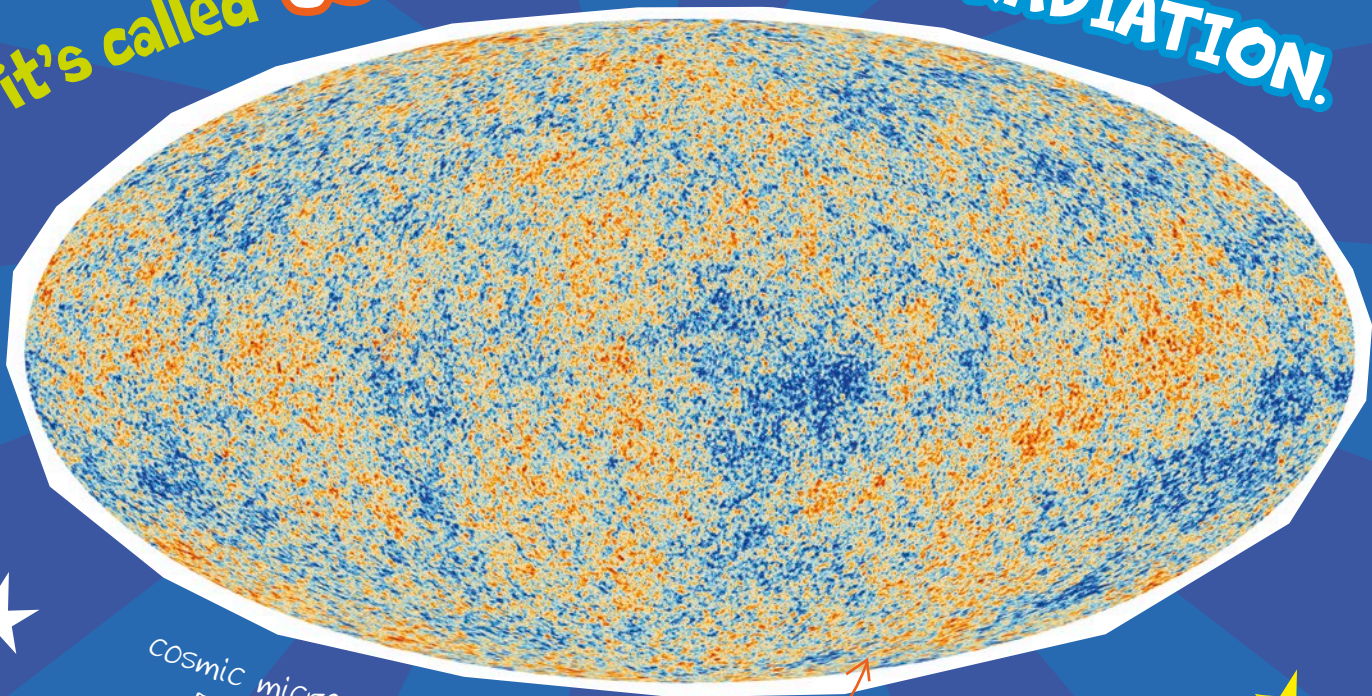
**TRILLION-
TRILLIONTH
OF A SECOND.**

Before the Big Bang,
there was

NO SPACE

and **NO TIME.**

You can still see the light from the Big Bang –
it's called **COSMIC MICROWAVE RADIATION**.



cosmic microwave radiation as seen from
a European Space Agency spacecraft




Your body is made up
of matter from
exploded stars in space.

Almost every atom in everything on
Earth came from the **BIG BANG** or
EXPLODED, DYING STARS.

SOME GALAXIES LOOK LIKE **SPIRALS**,
SOME LIKE **FLAT BALLS** AND SOME
HAVE NO PARTICULAR SHAPE.





**You can see
galaxies
2 million light-
years away
with the
naked eye.**