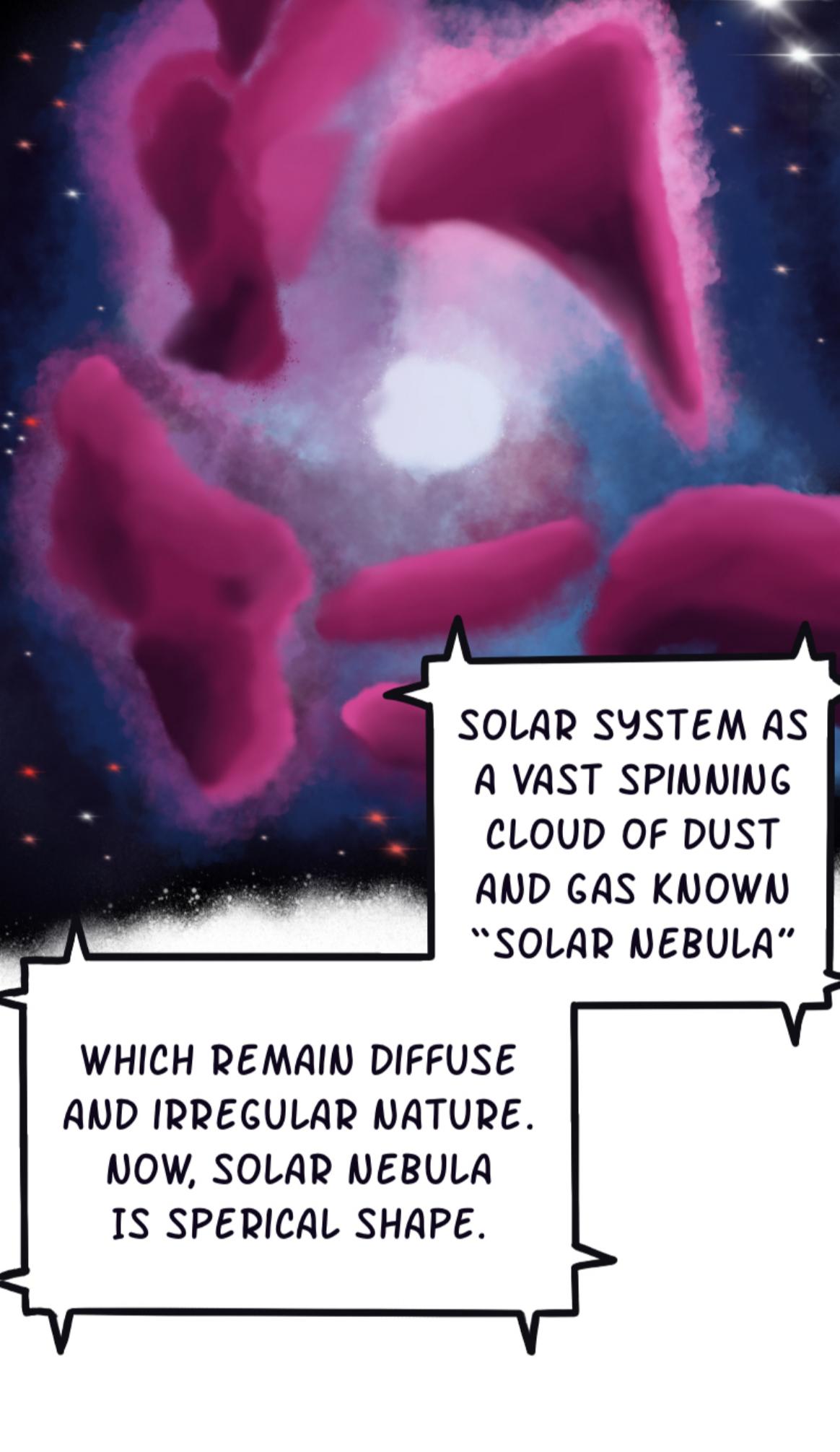


BACK TO 4.6 BILLION YEAR AGO.



SOLAR SYSTEM AS
A VAST SPINNING
CLOUD OF DUST
AND GAS KNOWN
"SOLAR NEBULA"

WHICH REMAIN DIFFUSE
AND IRREGULAR NATURE.

NOW, SOLAR NEBULA
IS SPERICAL SHAPE.



ANOTHER SUN

IN THE BLINK OF AN EYE



EXPLODED

KNOWN AS A "SUPERNOVA"



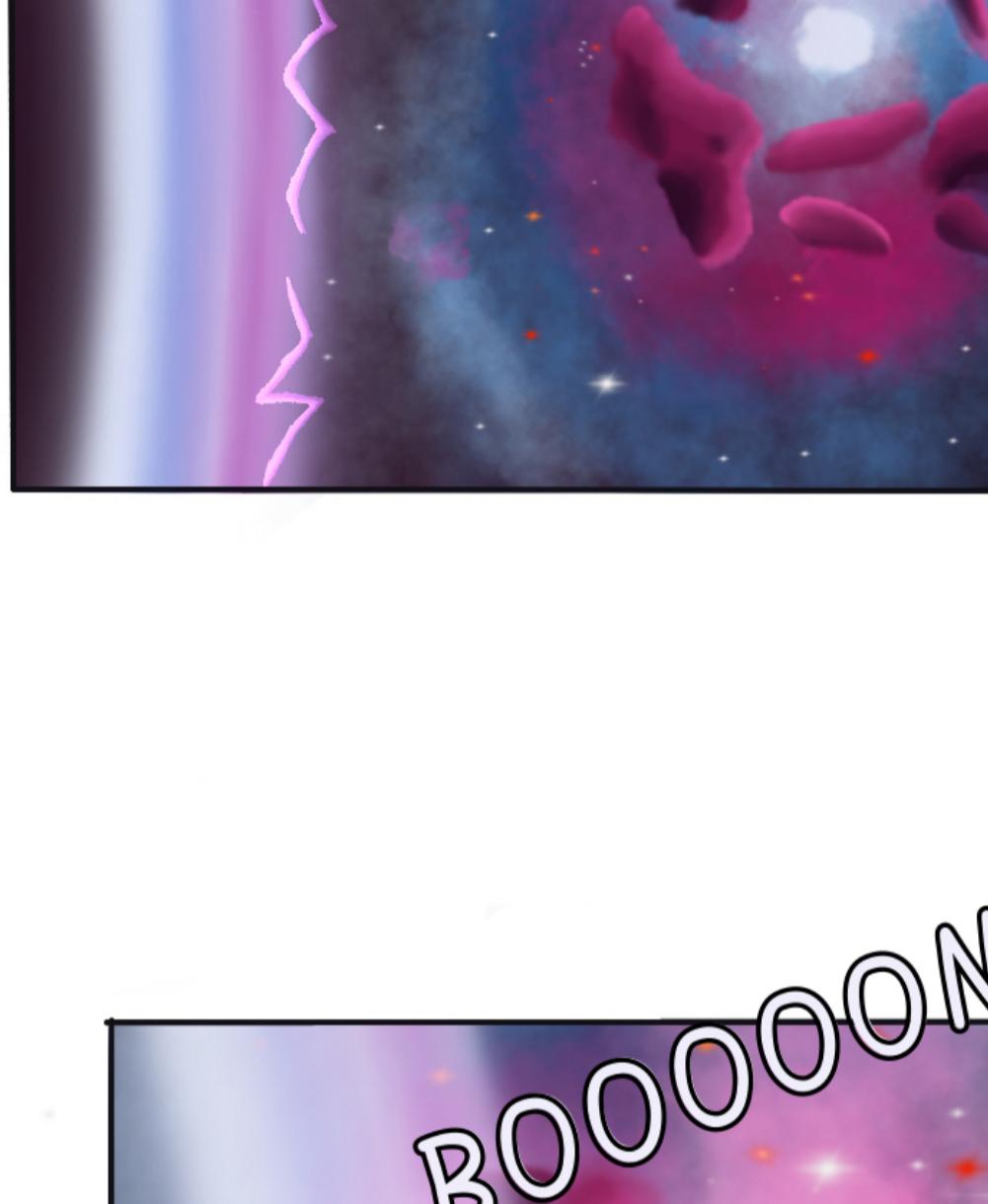
RELEASE

HUGE ENERGY

MAKE A POWERFUL SHOCKWAVE

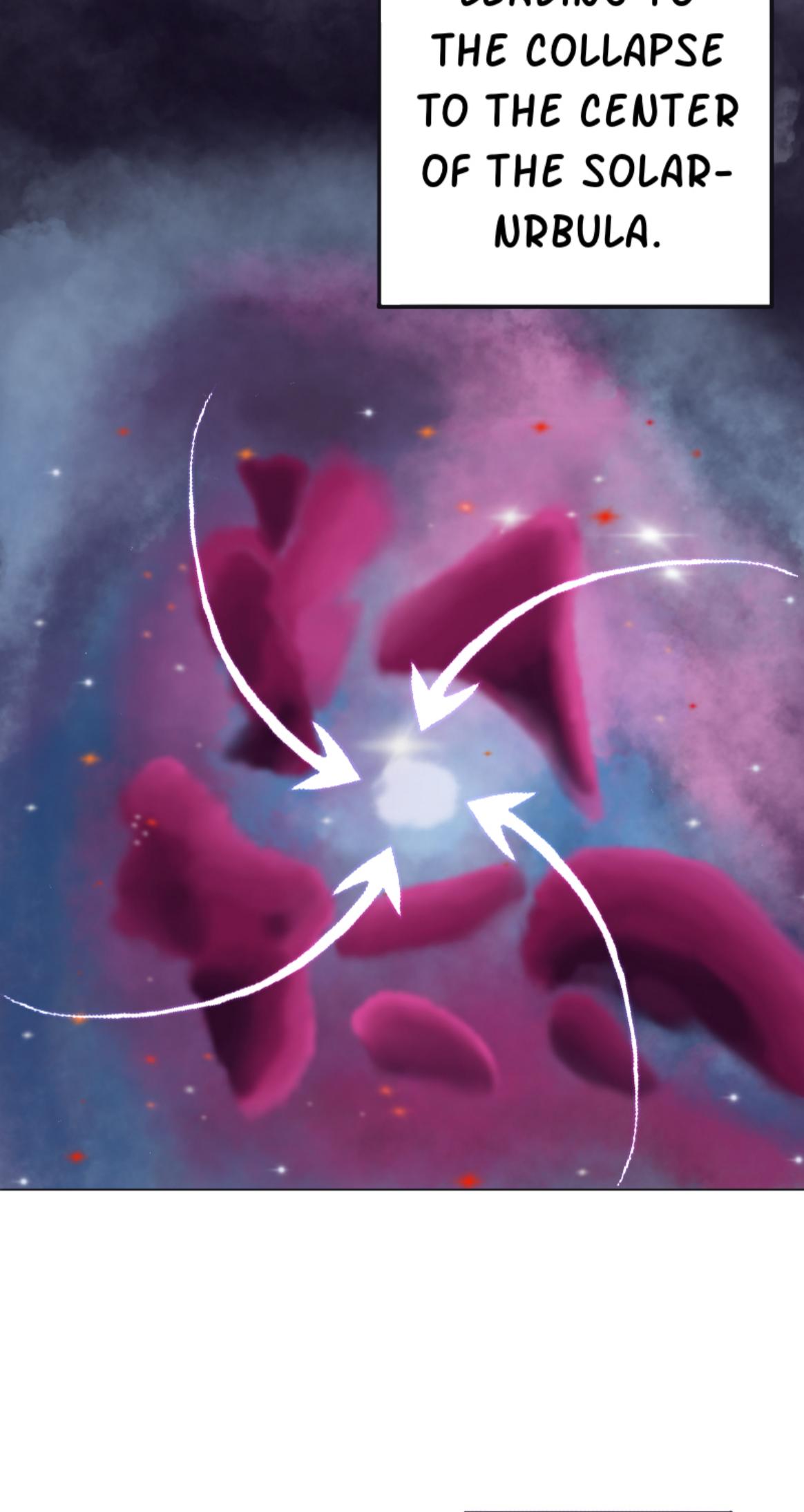
MOVE THROUGH THE SPACE

TO MY SOLAR NEBULA

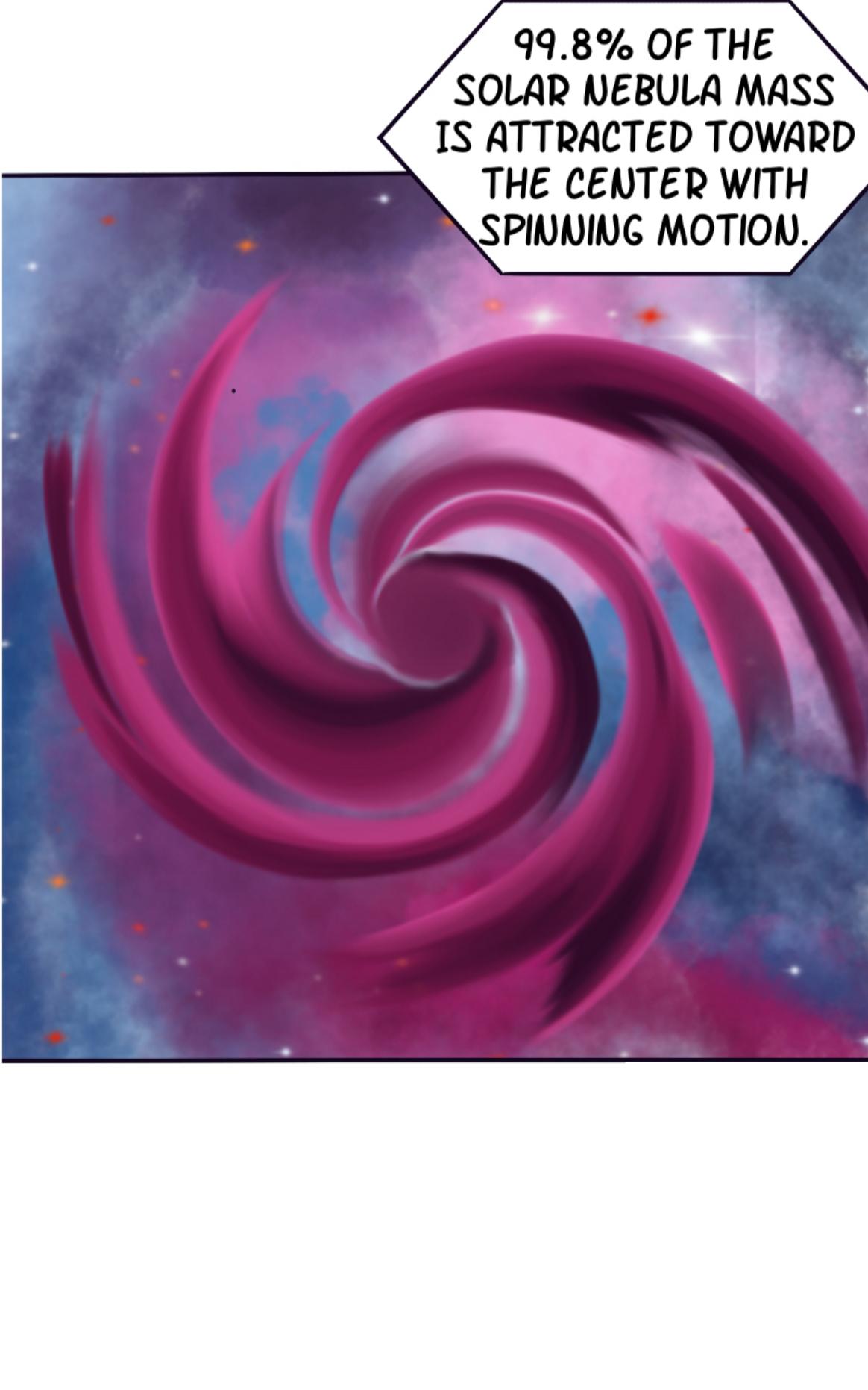


BOOOOOOM

THE SOLAR-
NEBULA
WAS BUMPED.

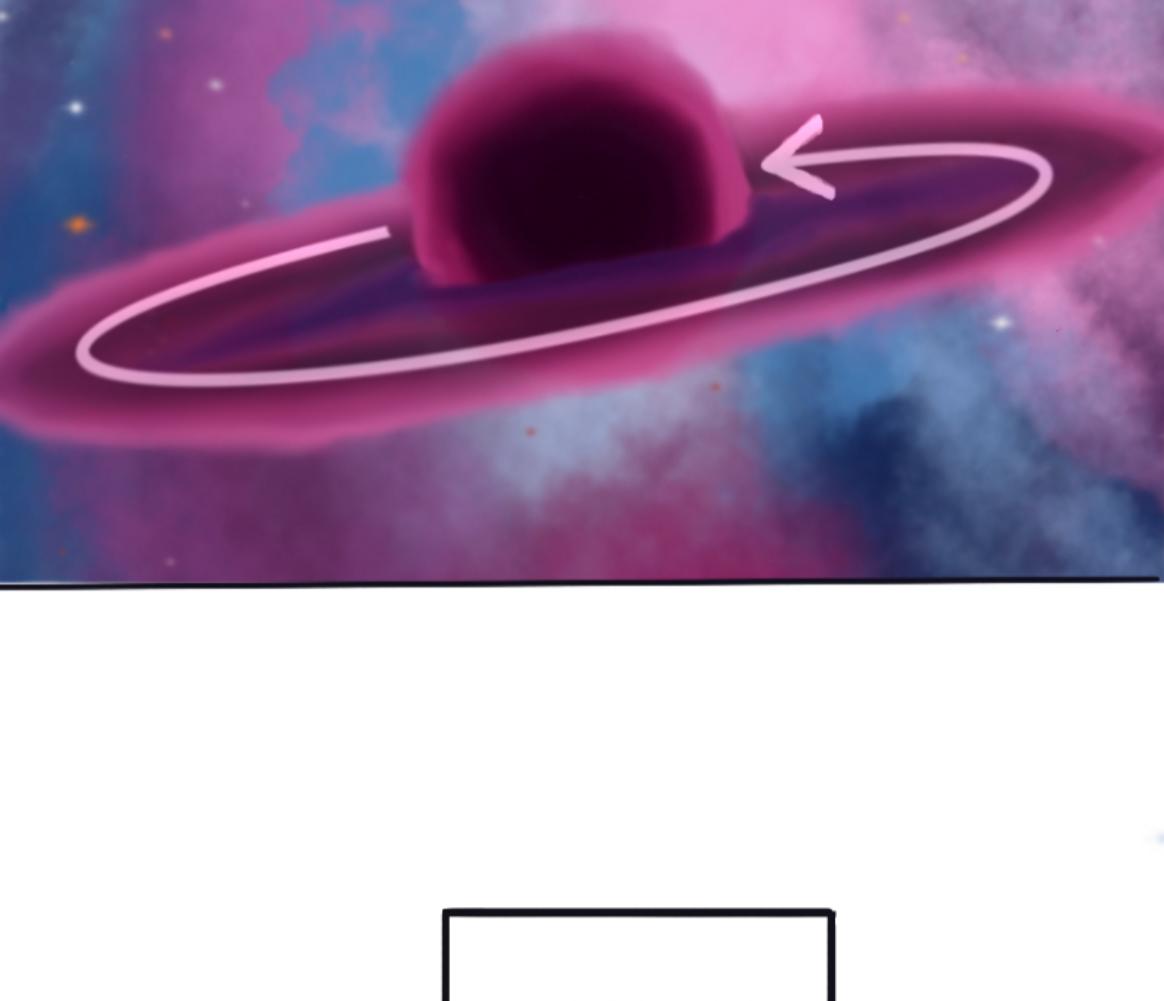


LEADING TO
THE COLLAPSE
TO THE CENTER
OF THE SOLAR-
NEBULA.



99.8% OF THE
SOLAR NEBULA MASS
IS ATTRACTED TOWARD
THE CENTER WITH
SPINNING MOTION.

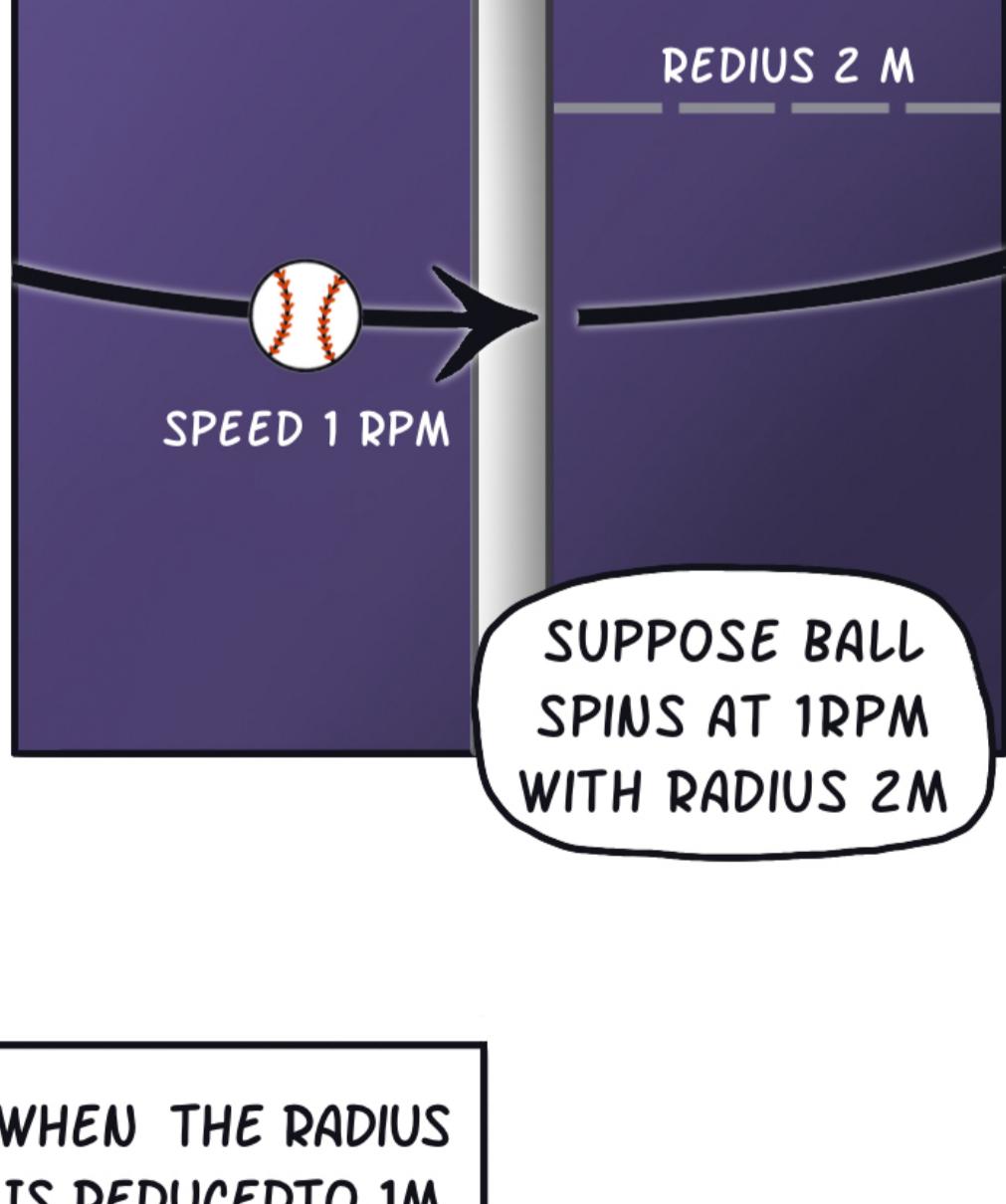
ULTIMATELY, IT IS FLATTENED INTO A DISK-LIKE SHAPE.



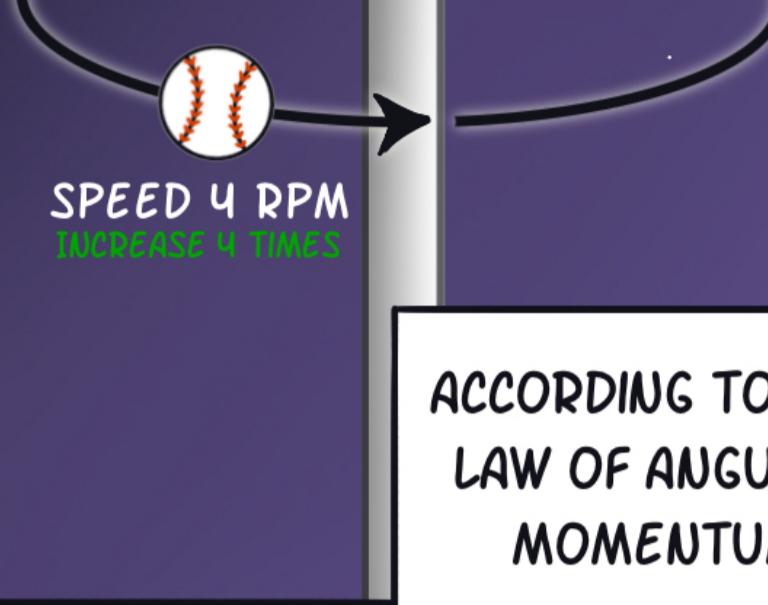
ACCORDING TO THE ACCELERATED SPIN

WITH THE LAW OF CONSERVATION OF ANGULAR MOMENTUM.

LET IMAGINE THE BALL IS SPINNING AROUND THE POLE WITH CONSTANT SPEED.



WHEN THE RADIUS IS REDUCED TO 1M



ACCORDING TO THE
LAW OF ANGULAR
MOMENTUM

WHEN THE RADIUS DECREASE,
THE SPEED IS INCREASED TO

THE SQUARE OF RATIO BETWEEN

THE OLD RADIUS AND NEW RADIUS.

$$\text{NEW SPEED} = \left(\frac{\text{OLD RADIUS}}{\text{NEW RADIUS}} \right)^2 \times \text{OLD SPEED}$$

CAUSING THE CENTER

OF SOLAR NEBULAR

SPIN WITH HIGH SPEED.

IT ALSO HAS
HIGH PRESSURE
FROM THE EFFECT
OF GRAVITY.

ALL OF THEM
CAUSE HIGH
TEMPERATURE
IN THE CENTER.

SPEED, PRESSURE AND
TEMPERATURE CONTINUOUS
TO INCREASING.

UNTIL...

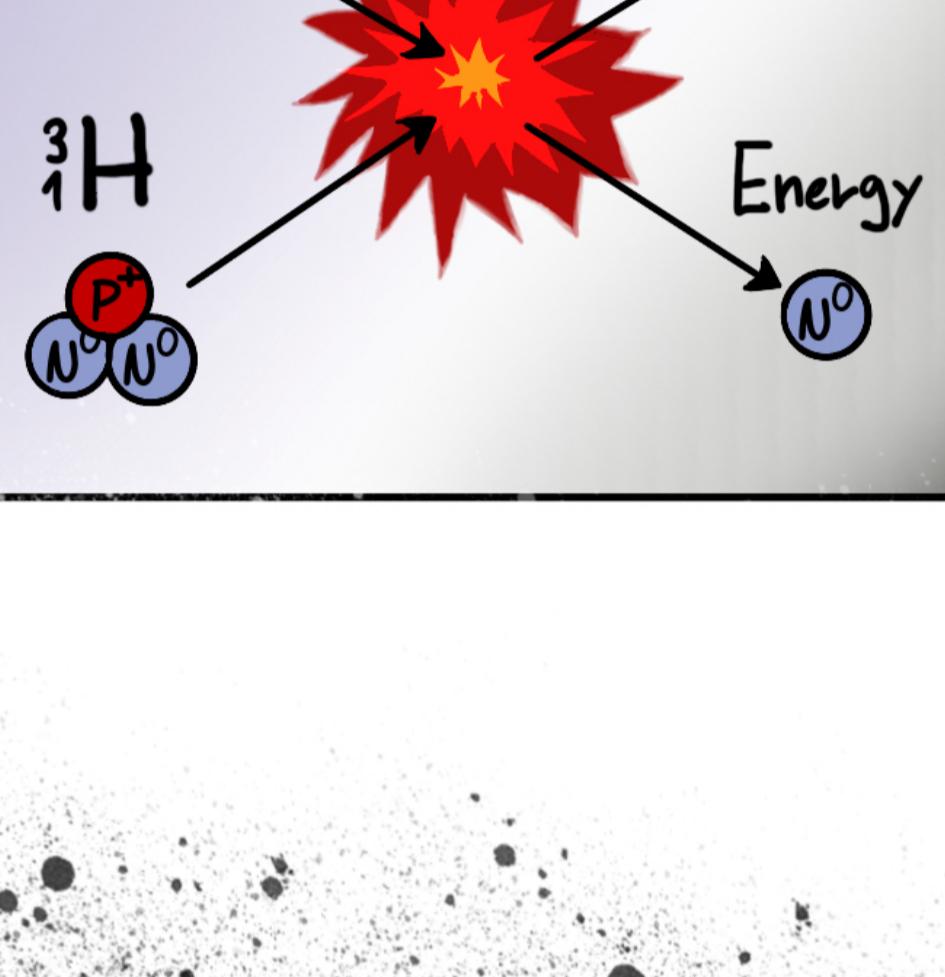
TEMPERATURE REACH
TO 15 MILLION CELSIUS
ENOUGH FOR NUCLEAR
FUSION REACTIONS.



ATOMS MOVE AND COLLIDE
WITH EACH OTHER AT
INCREDIBLY HIGH SPEEDS.

FAST ENOUGH TO
FUSE ATOM TOGETHER.

HYDROGEN ATOMS
FUSED TOGETHER TO
FORM HELIUM, RELEASING
AN IMMENSE ENERGY.



THE SUN WAS BORN

BUT...

AT THE SAME TIME

ANOTHER PLANET AND ASTEROID
FORMED AROUND THE SUN

COLLODE AND FUSE TOGETHER

BECOME TO THE
SOLAR SYSTEM.

IN THE END
THE SOLAR SYSTEM
CAME TO EQUILIBRIUM.