

Our Wonderful Universe

Stars, galaxies and our place in space

MADE BY
Ananya Gupta

CLASS
6 – B

SCHOOL
Your School Name



Agenda

01

Introduction

02

Facts

03

How it works

04

Activity

05

Conclusion

What is the universe?

The universe is everything that exists — all of space, time, matter and energy.

It contains billions of galaxies, each with billions of stars. Our Sun is one star in the Milky Way galaxy.



Picture of the universe

Amazing facts

13.8 bn

years old (estimated)

100 bn+

galaxies

1

home planet — Earth

What is out there



Stars

Giant balls of hot gas.



Galaxies

Huge groups of stars.



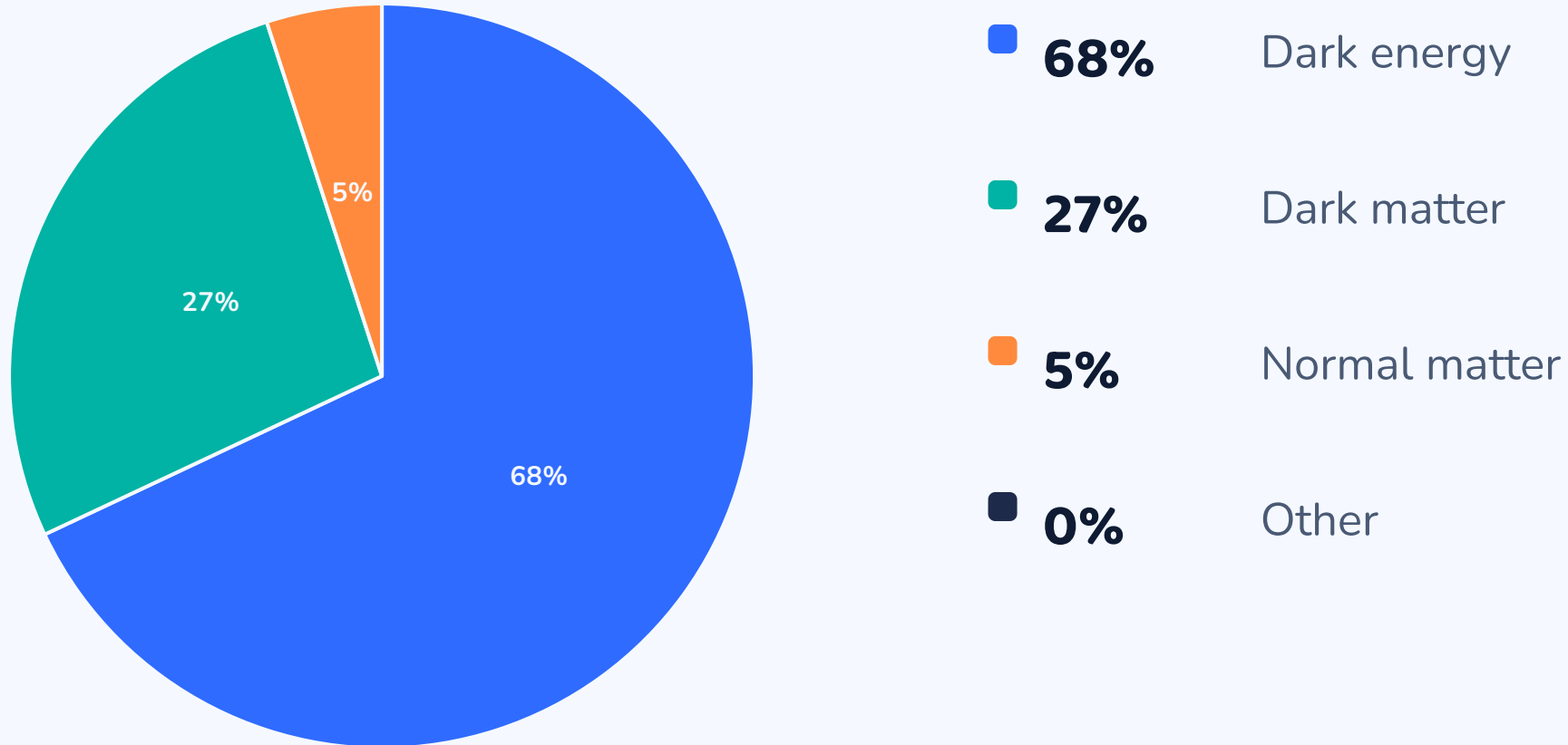
Nebulae

Clouds where stars are born.

Life of a star



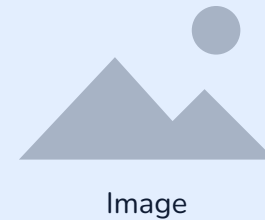
What the universe is made of (approx.)



Sample data for illustration.

Our activity

- Go outside on a clear night
- Find the Moon and a bright star
- Use a star-map app to name it
- Sketch what you saw



Star vs planet

Star

- ✓ Makes its own light
- ✓ Very hot
- ✓ e.g. the Sun

Planet

- Reflects light
- Orbits a star
- e.g. Earth

What we can do



Stargaze

Find constellations.



Visit

A planetarium trip.



Read

Books on space.



Portrait image

“

Look up at the stars and not
down at your feet.

— A famous physicist

Thank you!

Keep looking up!

Ananya Gupta · Class 6