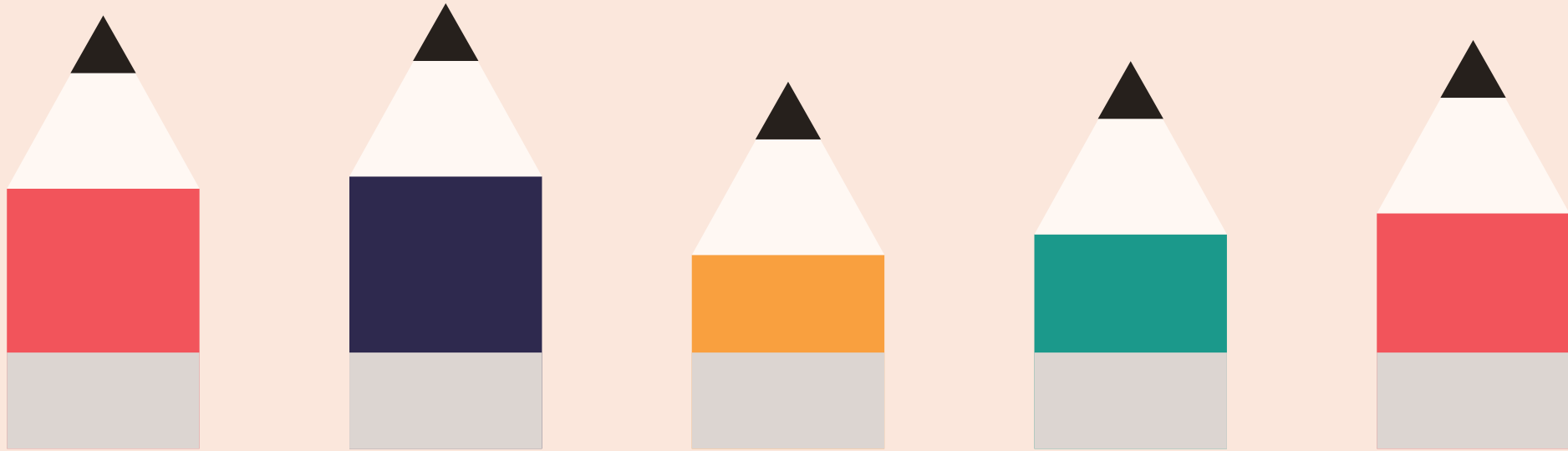




Our Wonderful Universe

Stars, galaxies and our place in space

Ananya Gupta · 6 – B · Your School Name

Agenda

01 Introduction

02 Facts

03 How it works

04 Activity

05 Conclusion



Image

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

01

FACTS



Amazing facts

13.8 bn

years old (estimated)

100 bn+

galaxies

1

home planet — Earth

What is out there

01

Stars

Giant balls of hot gas.

02

Galaxies

Huge groups of stars.

03

Nebulae

Clouds where stars are born.

02

HOW IT WORKS



Life of a star



Nebula

Gas and dust gather



Star

Fusion begins



Red giant

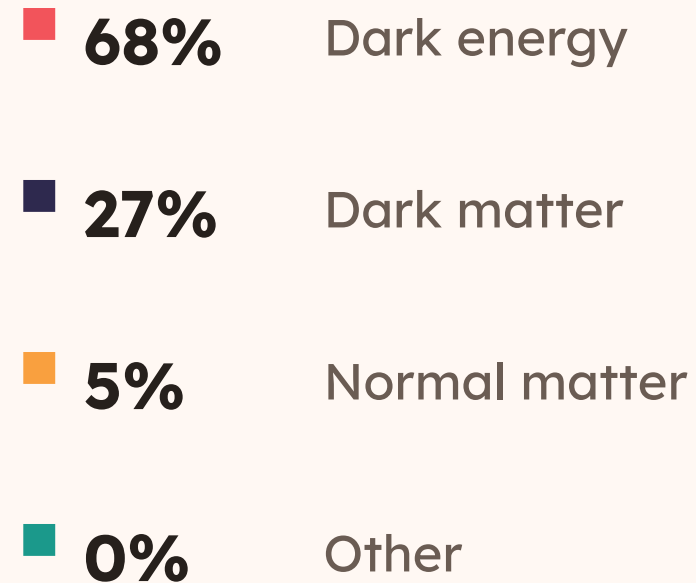
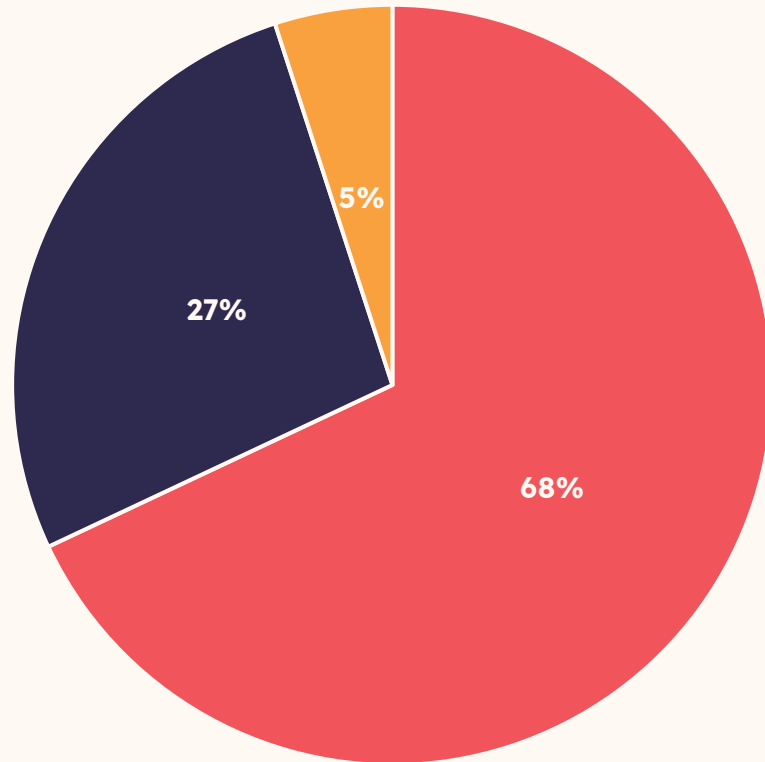
Star swells



End

White dwarf or more

What the universe is made of (approx.)



Sample data for illustration.

03

ACTIVITY



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



Image

Star vs planet

Star

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

Planet

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

04

CONCLUSIO N



What we can do

01

Stargaze

Find constellations.

02

Visit

A planetarium trip.

03

Read

Books on space.

“

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

A FAMOUS PHYSICIST

Thank you!

Keep looking up!

Ananya Gupta · Class 6

