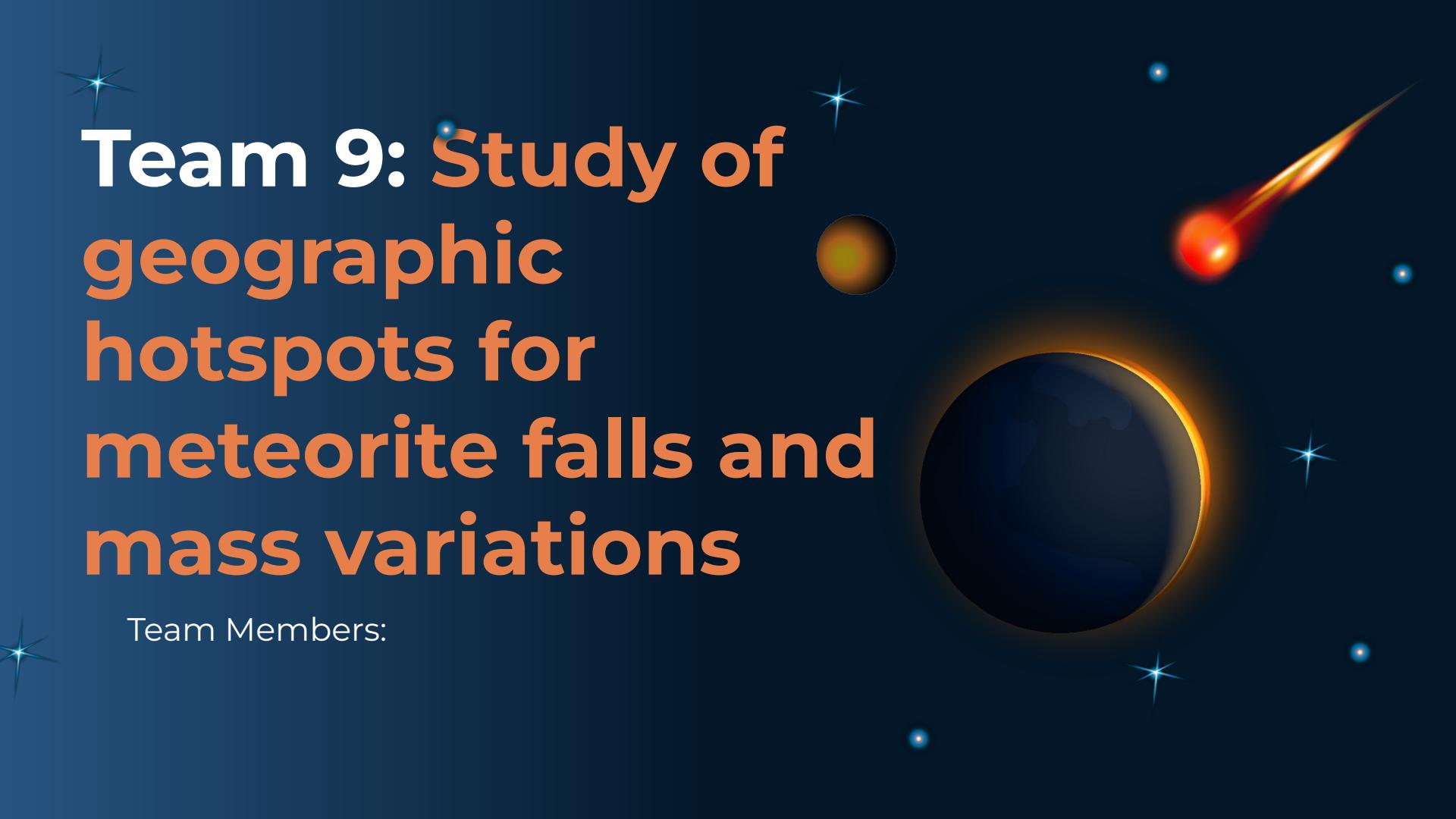


Team 9: Study of geographic hotspots for meteorite falls and mass variations

Team Members:



Let's Talk about Meteorite Classes

Most common classes

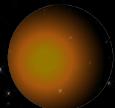
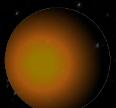
&

Least common classes

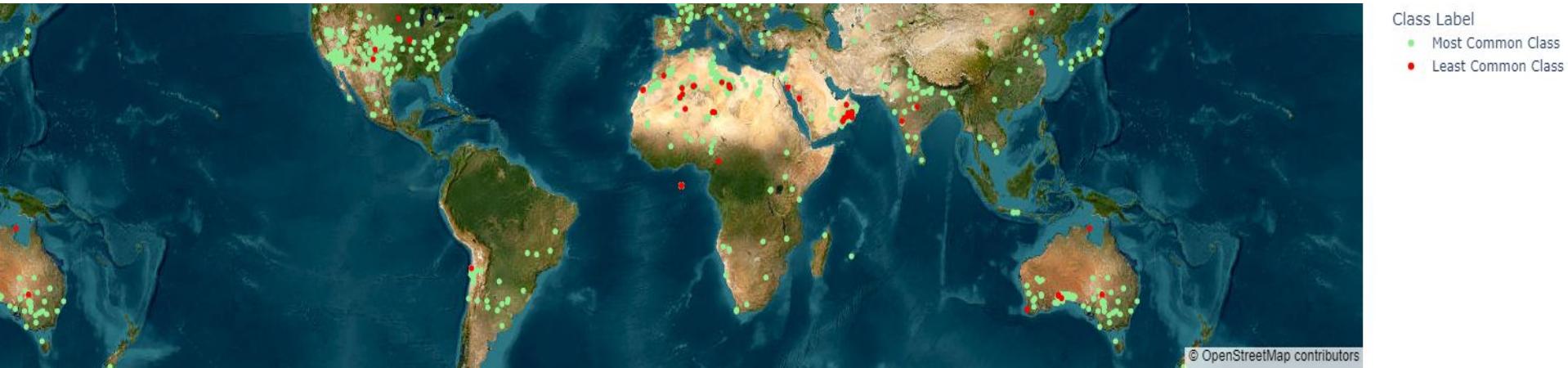
Classes

based on

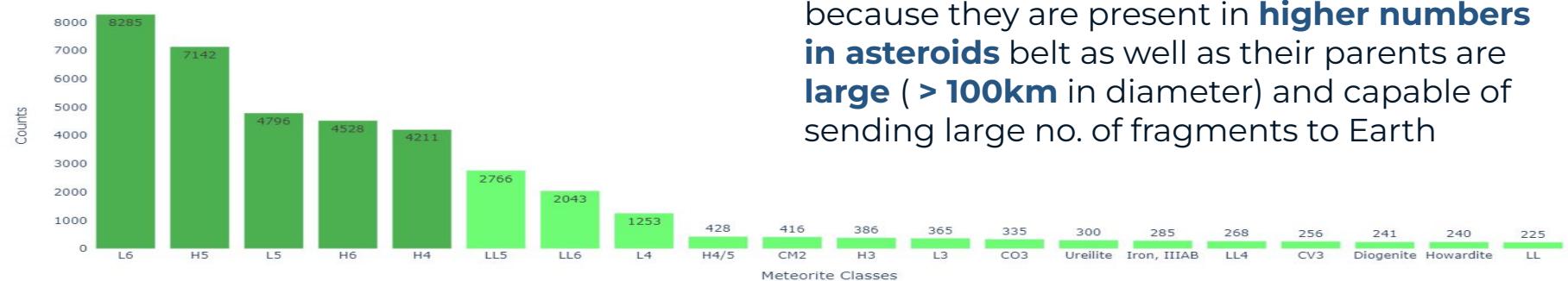
Average Mass



Most common classes & Least common classes



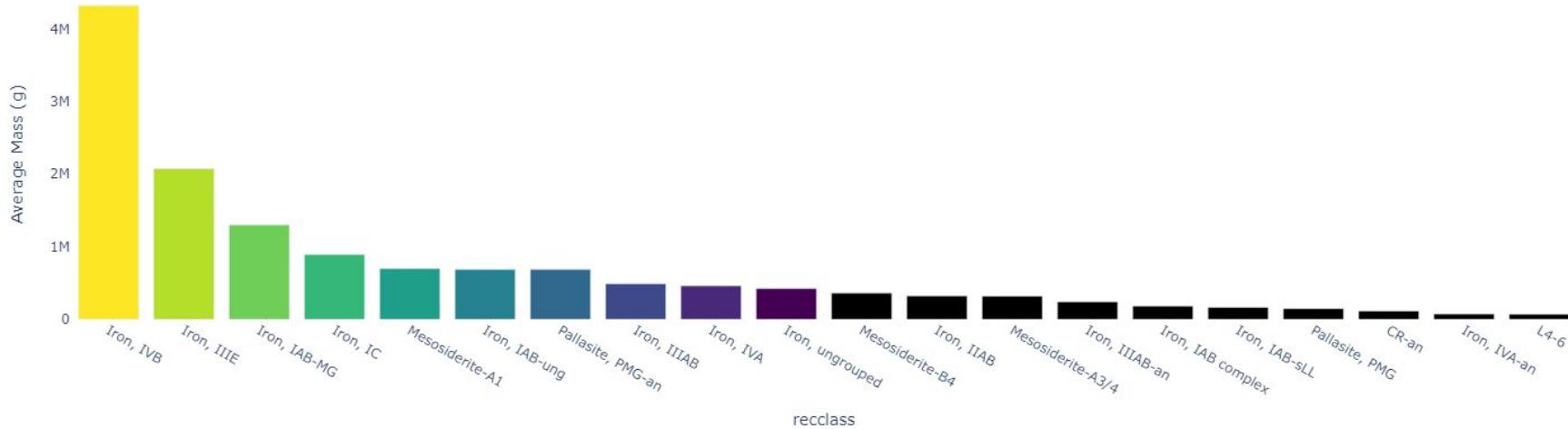
Top 15 Meteorite Classes by Count



L6 & H5 class most commonly found because they are present in **higher numbers in asteroids** belt as well as their parents are **large (> 100km in diameter)** and capable of sending large no. of fragments to Earth

Classes based on Average Mass

Top 20 Meteorite Classes by Average Mass



- 1.) “**Iron, IVB**” with very high average mass is because of it’s composition of iron, which is **very dense** and heavy metal
- 2.) High density is equivalent to large mass for their size
- 3.) Others are mostly **stony meteorite** with **lesser density**

Table of contents

01

About

You can describe the topic of the section here

02

Origin

You can describe the topic of the section here

03

Composition

You can describe the topic of the section here

04

Classification

You can describe the topic of the section here

05

Characteristics

You can describe the topic of the section here

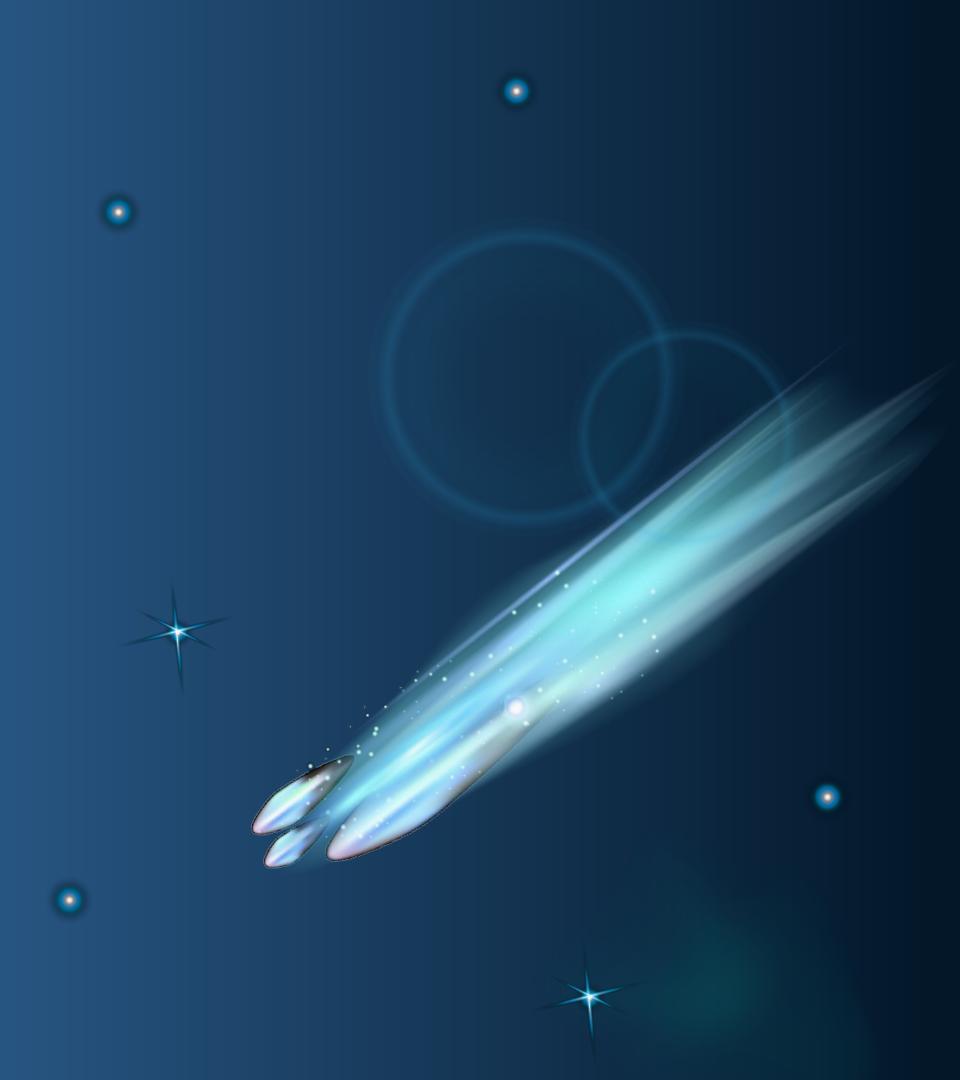
06

Mistakes

You can describe the topic of the section here

Whoa!

This can be the part of the presentation where
you introduce yourself, write your email...



01

About

You can enter a subtitle here if
you need it

What is the overall shape?

Mercury is the closest planet to the Sun and the smallest one in the entire Solar System. This planet's name has nothing to do with the liquid metal, since Mercury was named after the Roman messenger god

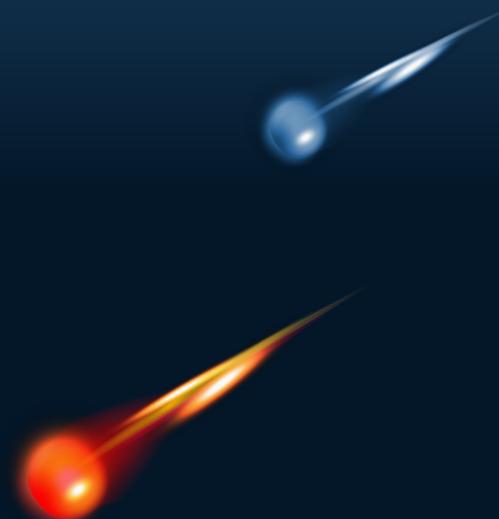
Mercury takes a little more than 58 days to complete its rotation, so try to imagine how long days must be there! Its temperatures are extreme, albeit not quite as extreme as on Venus

Are these phenomena dangerous?

Do you know what helps you make your point crystal clear? Lists like this one:

- They're simple
- You can organize your ideas clearly
- You'll never forget to buy milk!

And the most important thing: the audience won't miss the point of your presentation



Differences



Meteor

Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than the Moon



Meteorite

Venus has a beautiful name and is the second planet from the Sun. It's hot and has a poisonous atmosphere

The main types of meteorites



Iron

Mercury is the closest planet to the Sun and the smallest of them all



Stone

Venus has a beautiful name and is the second planet from the Sun



Stony-irons

Despite being red, Mars is actually a cold place. It's full of iron oxide dust

Four rates for each shower



City sky

Mars is actually a very cold place



Suburb sky

Venus has extremely high temperatures



Rural sky

Jupiter is the biggest planet of them all



ZHR

Saturn is a gas giant and has several rings

Meteor terminology

Comet

Mars is actually a very cold place

Asteroid

Venus has extremely high temperatures

Meteoroid

Neptune is the farthest planet from the Sun

Meteor shower

Mercury is the closest planet to the Sun

Fireball

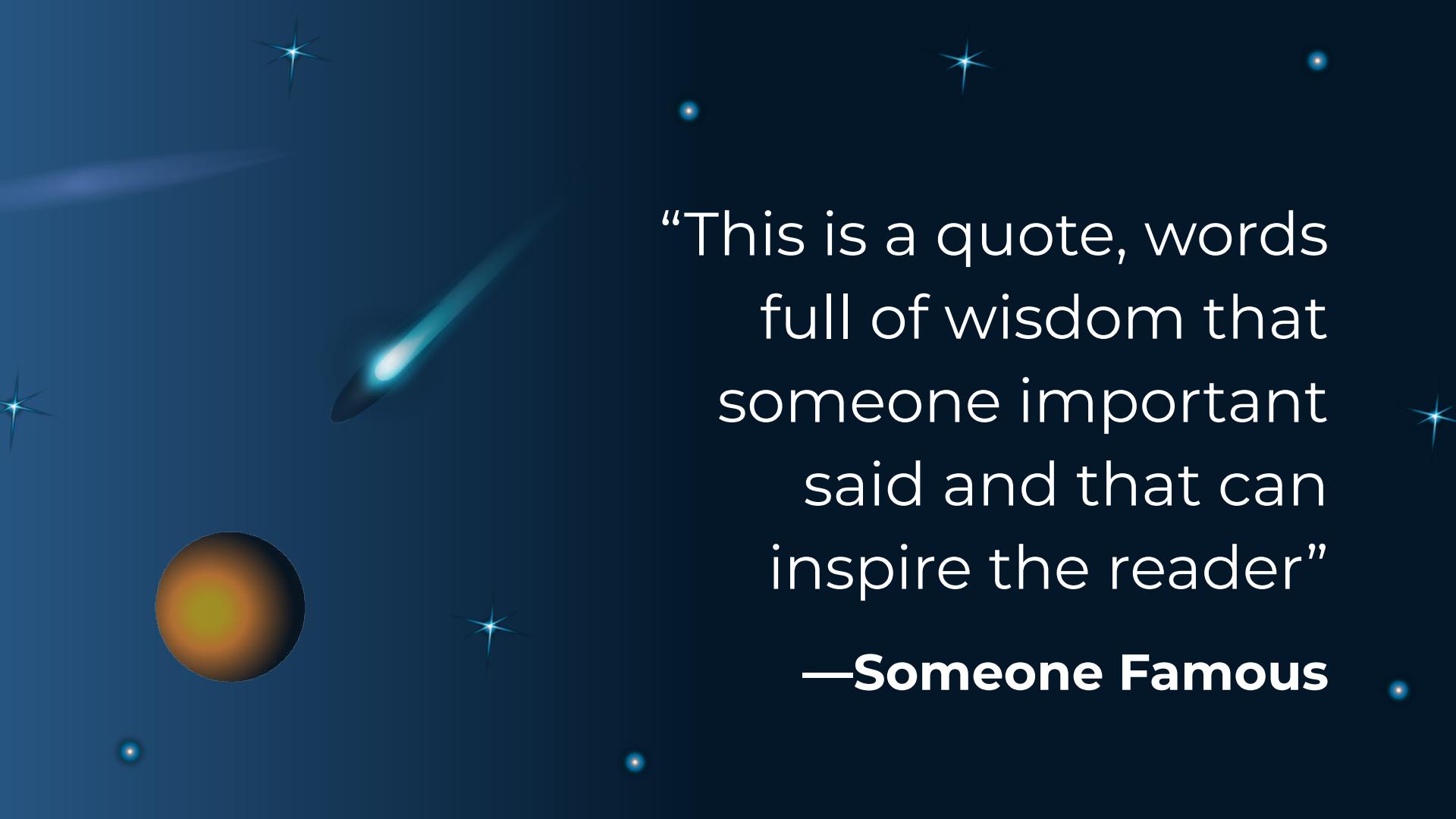
Saturn is a gas giant with several rings

Bolide

Jupiter is the biggest planet of them all

Awesome words





“This is a quote, words full of wisdom that someone important said and that can inspire the reader”

—**Someone Famous**

**A picture is worth a
thousand words**



A picture always reinforces the concept

Images reveal large amounts of data, so remember: use an image instead of a long text. Your audience will appreciate it



98,300,000

Big numbers catch your audience's attention

9h 55m 23s

Jupiter's rotation period

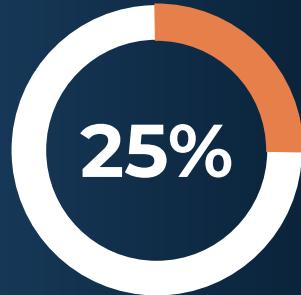
333,000

The Sun's mass compared to Earth's

386,000 km

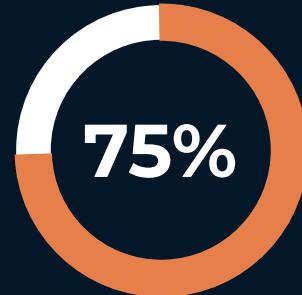
Distance between Earth and the Moon

Some percentages



Achondrites

Venus has a beautiful name and is the second planet from the Sun

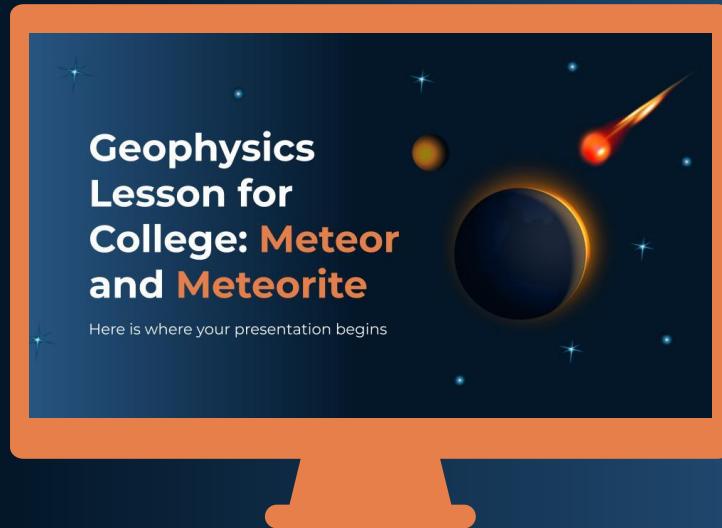


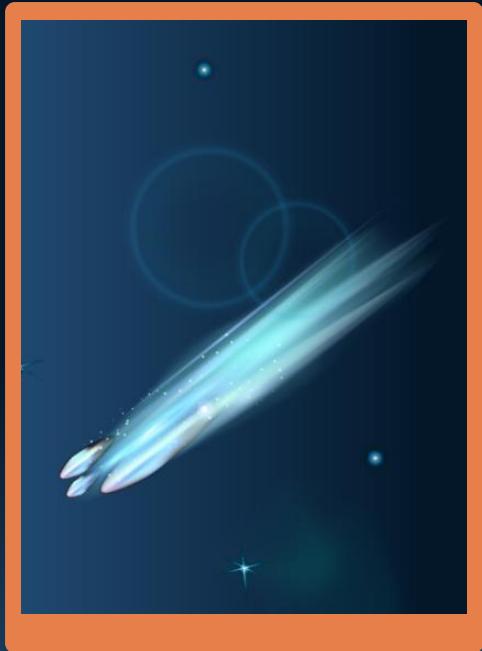
Chondrites

Mercury is the closest planet to the Sun and the smallest of them all

Computer mockup

You can replace the image on the screen with your own work. Just right-click on it and select “Replace image”



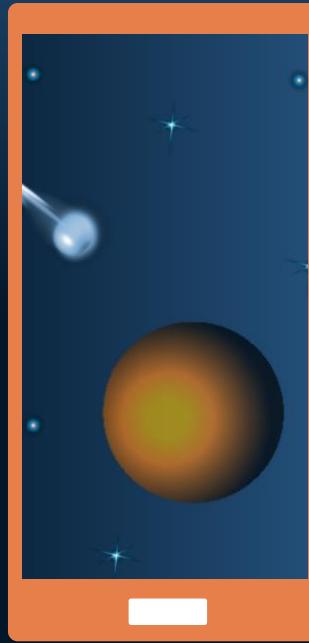


Tablet mockup

You can replace the image on the screen with your own work. Just right-click on it and select “Replace image”

Phone mockup

You can replace the image on the screen with your own work. Just right-click on it and select “Replace image”



Meteor mass classes



● 10-20 kg

● 20-30 kg

● 30-40 kg

● + 40 kg

How does a meteor hit?

Venus is the second planet from the Sun

Despite being red, Mars is a very cold place

Step 1



Step 3

Step 2

Mercury is the closest planet to the Sun

Step 4

Jupiter is the biggest planet of them all

Meteorite classification

Meteorites

Iron

Venus is a hot planet

Litosideritos

Jupiter is a gas giant

Rocky

Mercury is very small

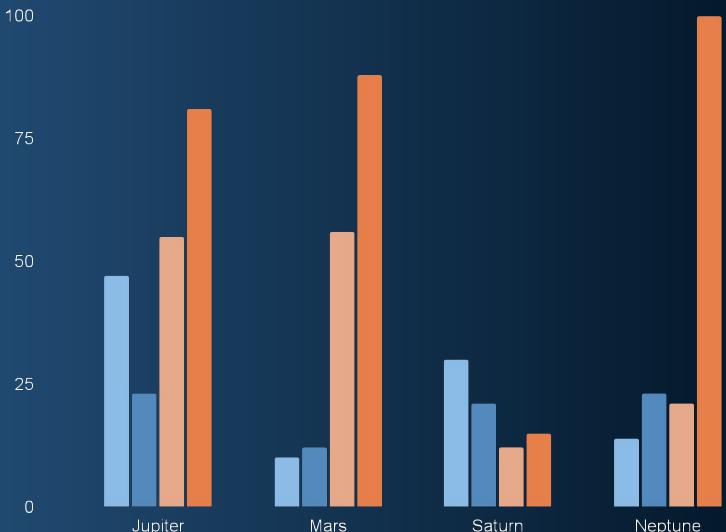
Chondrites

Achondrites

Meteor rate

Date	Shower	Rates			
		1	2	3	4
Jan 3-4	Quadrantids	5	10	25	120
Apr 21-22	April Lyrids	3	5	10	18
May 4-5	Eta Aquarids	3	5	10	60
Jul 28-29	Delta Aquarids	3	5	10	20
Aug 12-13	Perseids	10	20	50	100

Fallen meteorites



May

Mercury is the smallest planet

July

Jupiter is the biggest planet

June

Venus has very high temperatures

August

Saturn is a gas giant with rings

Follow the link in the graph to modify its data and then paste the new one here. [For more info, click here](#)

Our team



Sofia Hill

You can speak a bit about
this person here



Timmy Jimmy

You can speak a bit about
this person here

Current situation & problems statement

Current situation

Jupiter is a gas giant and the biggest planet in the Solar System. It's the fourth-brightest object in the night sky. It was named after the Roman god of the skies and lightning.

1

Security

Earth is the third planet from the Sun and has life

2

Rights

Despite being red, Mars is actually a cold place

3

Legal

Mercury is the smallest planet in the Solar System

Problems

Hypotheses



Hypothesis 1

Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than the Moon



Hypothesis 2

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot—even hotter than Mercury



Hypothesis 3

Jupiter is a gas giant and the biggest planet in the Solar System. It's the fourth-brightest object in the night sky

Study objectives

History of the Solar System

Mars is actually a very cold place

Asses our situation

Venus has extremely high temperatures

Shape predictions

Neptune is the farthest planet from the Sun

Observe and confirm

Mercury is the closest planet to the Sun

Mitigate several risks

Saturn is a gas giant with several rings

Theoretical framework

Theoretical framework

Key terms

- Mercury is small
- Earth harbors life
- Jupiter is quite big

Relevant theories

Theory 1

Neptune is the farthest planet from the Sun

Theory 2

Saturn is composed of hydrogen and helium

Our framework

Venus has a beautiful name and is the second planet from the Sun. It's hot and has a poisonous atmosphere

Discussion

Meteorite and meteor

Earth is the third planet from the Sun and the only one known to harbor life in the Solar System. This is where we all live:

- Ceres is located in an asteroid belt
- The Moon is Earth's natural satellite
- Neptune is very far away from us
- Pluto is considered a dwarf planet



Discussion 1

Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than the Moon



Discussion 2

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot—even hotter than Mercury

KWL (brainstorming)

What I know

Mercury is the closest planet to the Sun

Mars is actually a very cold place

Venus is the second planet from the Sun

Jupiter is the biggest planet of them all

Saturn is composed of hydrogen and helium

Neptune is the farthest planet from the Sun

What I want to know

What I learned

Classification

Hydrometeors

- Small
- Red
- Cold
- Rocky

Lithometeors

- Small
- Hot
- Dry
- Volcanic

Photometeors

- Small
- Hot
- Rocky
- Cratered

Electrometeors

- Large
- Cold
- Gassy
- Striped

Mars is actually a very cold place

Venus has a beautiful name

Mercury is the smallest planet

Jupiter is the biggest planet

Thanks!

Do you have any questions?

youremail@freepik.com

+34 654 321 432

yourwebsite.com

Please keep this slide for attribution



CREDITS: This presentation template was created by [Slidesgo](#), and includes icons by [Flaticon](#), and infographics & images by [Freepik](#)

Icon pack



Alternative resources

Here's an assortment of alternative resources whose style fits the one of this creative template:

Photos

- Realistic galaxy background with stars

Resources

Did you like the resources on this template? Get them for free at our other creative websites:

Photos

- Beautiful middle aged woman portrait
- Confident middle aged man portrait
- Galaxy night view
- Galaxy night landscape
- Falling stars, meteors or comets. starry night sky background.
- Realistic composition with outer space landscape and view of burning meteor flying in direction of planet vector illustration
- Realistic space meteor composition with outer space scenery with lots of stars and flying meteorite comet vector illustration

Icon

- Icon pack: Space | Lineal

Instructions for use

If you have a free account, in order to use this template, you must credit **Slidesgo** by keeping the **Thanks** slide. Please refer to the next slide to read the instructions for premium users.

As a Free user, you are allowed to:

- Modify this template.
- Use it for both personal and commercial projects.

You are not allowed to:

- Sublicense, sell or rent any of Slidesgo Content (or a modified version of Slidesgo Content).
- Distribute Slidesgo Content unless it has been expressly authorized by Slidesgo.
- Include Slidesgo Content in an online or offline database or file.
- Offer Slidesgo templates (or modified versions of Slidesgo templates) for download.
- Acquire the copyright of Slidesgo Content.

For more information about editing slides, please read our FAQs or visit our blog:
<https://slidesgo.com/faqs> and <https://slidesgo.com/slidesgo-school>

Instructions for use (premium users)

As a Premium user, you can use this template without attributing Slidesgo or keeping the Thanks slide.

You are allowed to:

- Modify this template.
- Use it for both personal and commercial purposes.
- Hide or delete the “Thanks” slide and the mention to Slidesgo in the credits.
- Share this template in an editable format with people who are not part of your team.

You are not allowed to:

- Sublicense, sell or rent this Slidesgo Template (or a modified version of this Slidesgo Template).
- Distribute this Slidesgo Template (or a modified version of this Slidesgo Template) or include it in a database or in any other product or service that offers downloadable images, icons or presentations that may be subject to distribution or resale.
- Use any of the elements that are part of this Slidesgo Template in an isolated and separated way from this Template.
- Register any of the elements that are part of this template as a trademark or logo, or register it as a work in an intellectual property registry or similar.

For more information about editing slides, please read our FAQs or visit our blog:

<https://slidesgo.com/faqs> and <https://slidesgo.com/slidesgo-school>

Fonts & colors used

This presentation has been made using the following fonts:

Montserrat

(<https://fonts.google.com/specimen/Montserrat>)

#ffffff

#031729

#275581

#e67f49

#528abe

#e6aa8a

#8bbbe7

Storyset

Create your Story with our illustrated concepts. Choose the style you like the most, edit its colors, pick the background and layers you want to show and bring them to life with the animator panel! It will boost your presentation. Check out [how it works](#).



Pana



Amico



Bro



Rafiki



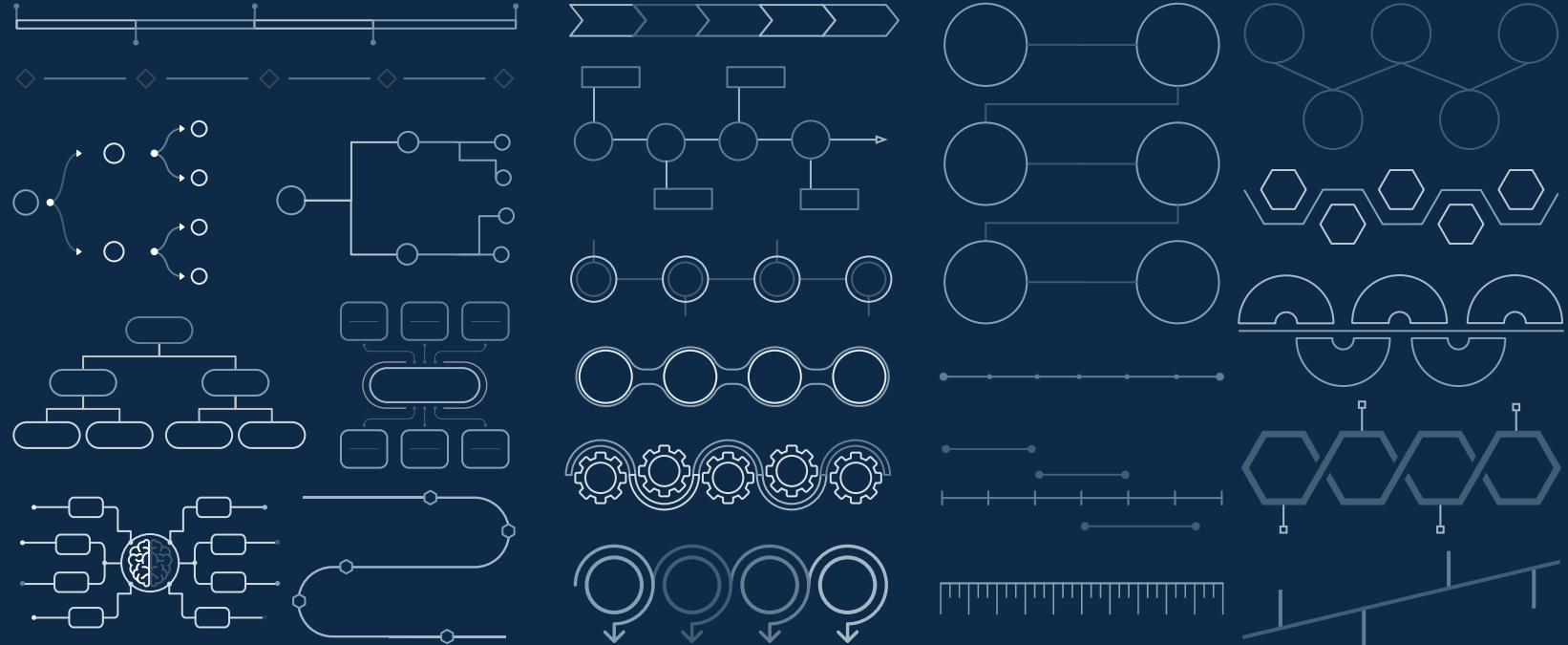
Cuate

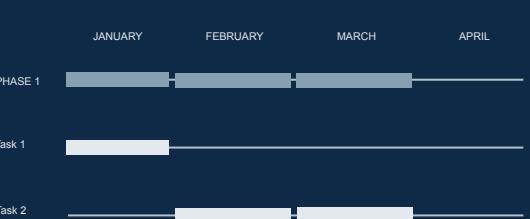
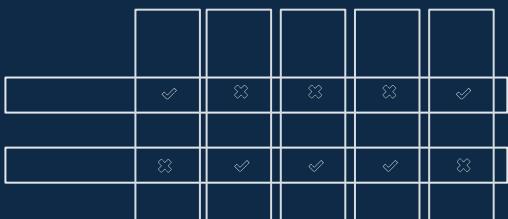
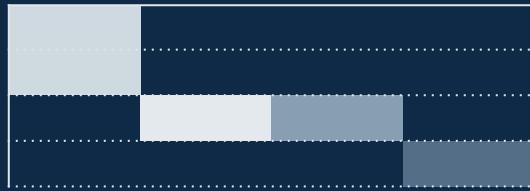
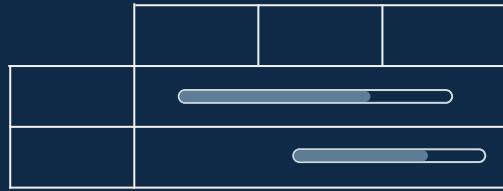
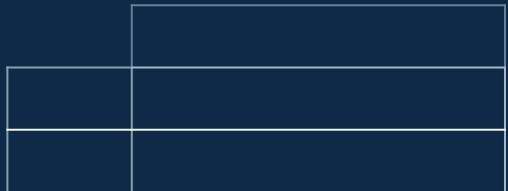
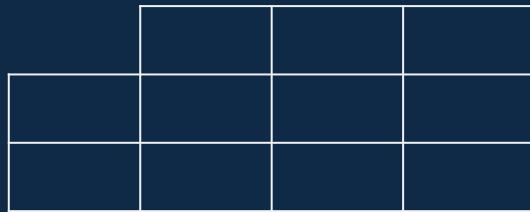
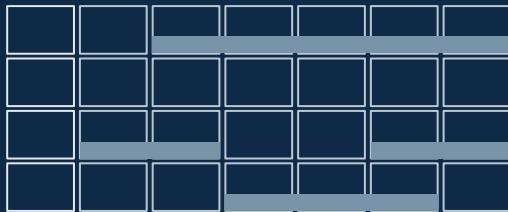
Use our editable graphic resources...

You can easily **resize** these resources without losing quality. To **change the color**, just ungroup the resource and click on the object you want to change. Then, click on the paint bucket and select the color you want. Group the resource again when you're done. You can also look for more **infographics** on Slidesgo.

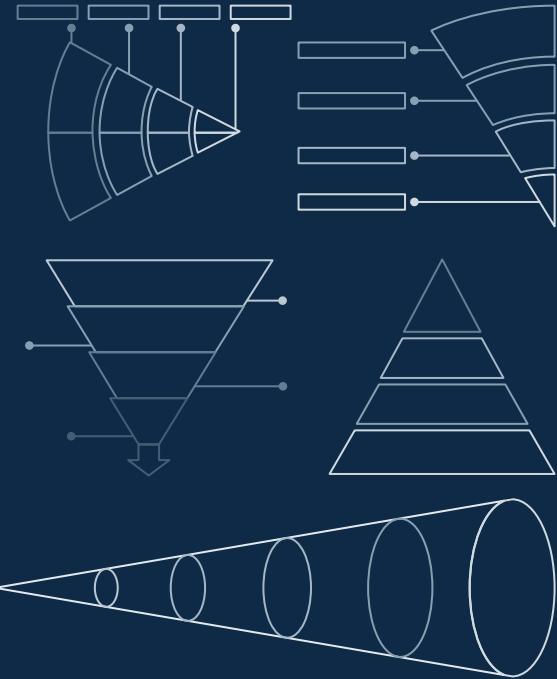
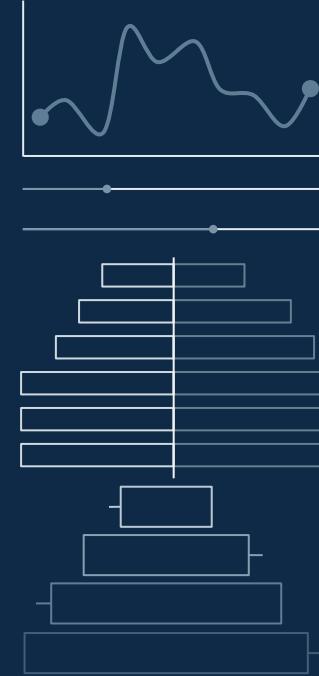
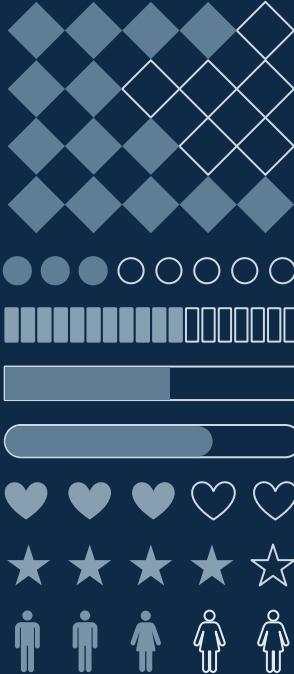
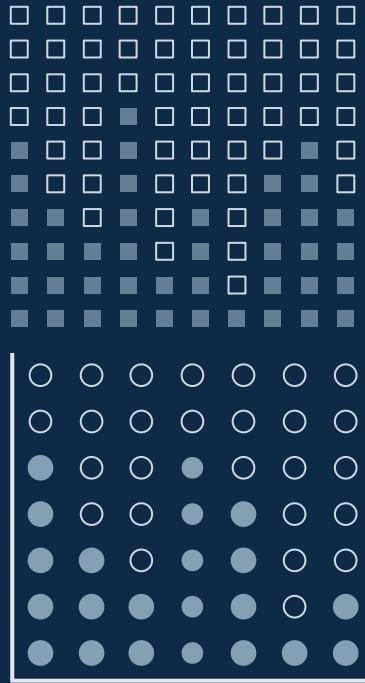












...and our sets of editable icons

You can **resize** these icons without losing quality.

You can **change the stroke and fill color**; just select the icon and click on the **paint bucket/pen**.

In Google Slides, you can also use **Flaticon's extension**, allowing you to customize and add even more icons.



Educational Icons



Medical Icons



Business Icons



Teamwork Icons



Help & Support Icons



Avatar Icons



Creative Process Icons



Performing Arts Icons



Nature Icons



SEO & Marketing Icons



