

CONTENTS OF THIS TEMPLATE

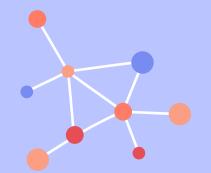
Here's what you'll find in this **Slidesgo** template:

- 1. A slide structure based on a education presentation, which you can easily adapt to your needs. For more info on how to edit the template, please visit **Slidesgo School** or read our **FAQs**.
- 2. To view this template in PowerPoint with the correct fonts, download and install on your computer the **fonts that we have used**. You can learn how to download and install fonts **here**.
- 3. An assortment of graphic resources that are suitable for use in the presentation can be found in the alternative resources slide.
- 4. A thanks slide, which you must keep so that proper credits for our design are given.
- 5. A resources slide, where you'll find links to all the elements used in the template.
- 6. Instructions for use.
- 7. Final slides with:
 - The fonts and colors used in the template.
 - A selection of **illustrations**. You can also customize and animate them as you wish with the online editor. Visit **Storyset** to find more.
 - More infographic resources, whose size and color can be edited.
 - Sets of customizable icons of the following themes: general, business, avatar, creative process, education, help & support, medical, nature, performing arts, SEO & marketing, and teamwork.

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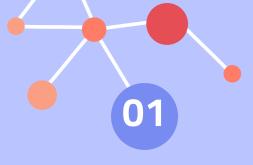
WHOA!

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







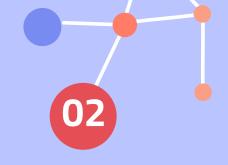


GENETIC CODE

You can describe the topic of the section here



You can describe the topic of the section here



DNA STRUCTURE

You can describe the topic of the section here



CHROMOSOMES

You can describe the topic of the section here



PROTEIN SYNTHESIS

You can describe the topic of the section here



CUMULATIVE EXAM

You can describe the topic of the section here

WHAT IS MOLECULAR GENETICS?

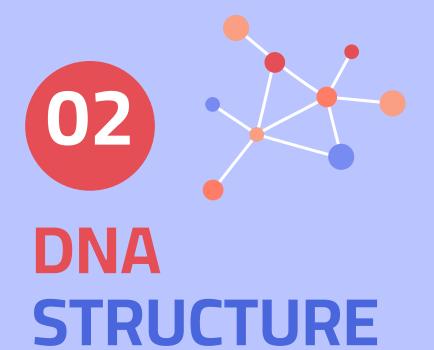
Do you know what helps you make your point clear? Lists like this one:

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

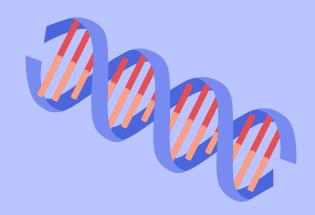
And the most important thing: the audience won't miss the point of your presentation







You can enter a subtitle here if you need it



DNA

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





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





COMPARISON DNA AND RNA

| FEATURES | DNA | RNA |
|-------------|---|---|
| FUNCTION | Long term storage of genetic information | Used to transfer genetic information in organisms |
| STRUCTURAL | E-form double helix | A-form helix |
| COMPOSITION | Adenine, guanine, cytosine, thymine bases | Adenine, guanine, cytosine, uracil bases |
| PROPAGATION | DNA is self-replicating | It is synthesized from DNA on an as-needed basis |



3 PARTS OF A NUCLEOTIDE

PHOSPHATE GROUP

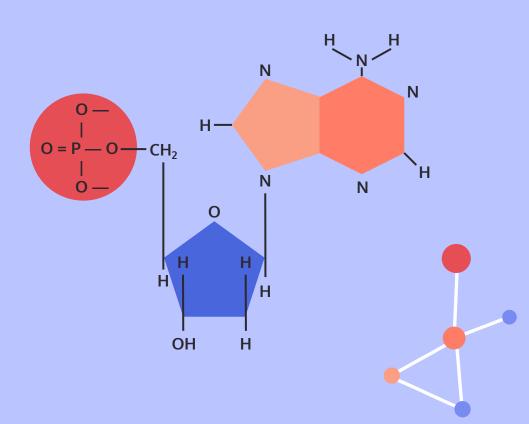
Mercury is the closest planet to the Sun and the smallest one in our System

PENTOSE SUGAR

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

NITROGENOUS BASE

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





NITROGENOUS BASES



ADENINE

Venus is the second planet from the Sun and it's very hot



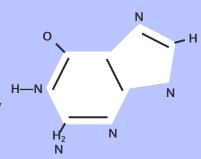
THYMINE

Jupiter is the biggest planet in the entire Solar System



CYTOSINE

Despite being red, Mars is actually a very cold place



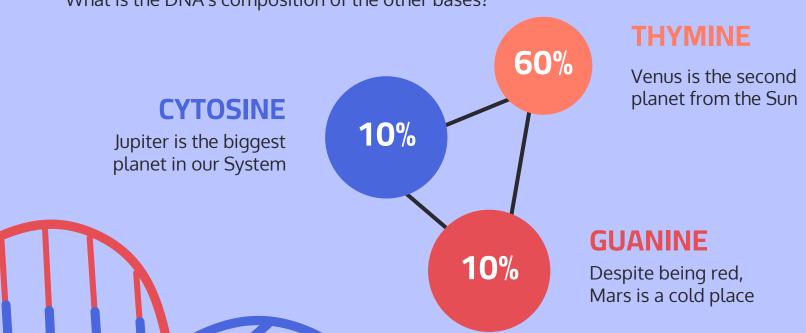
GUANINE

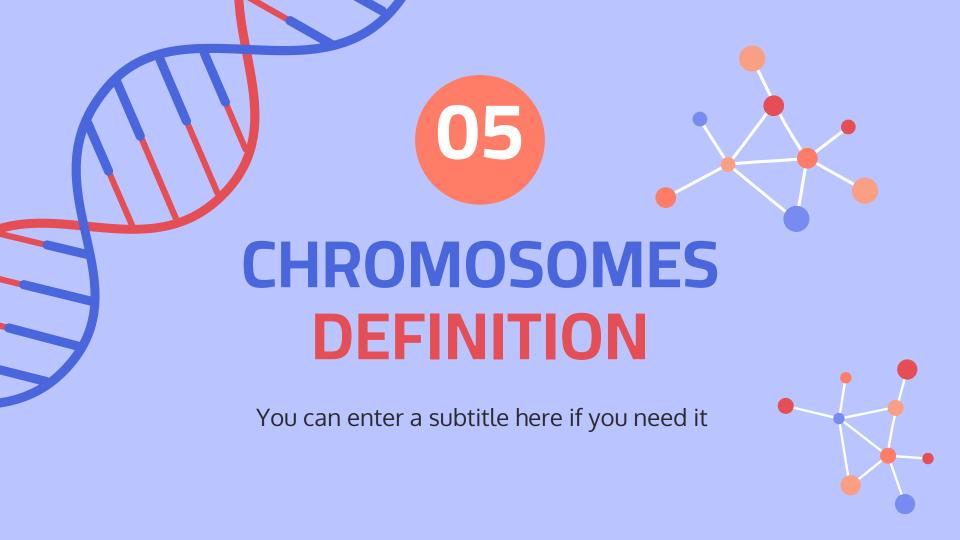
Saturn is a gas giant and has several rings around it



PERCENTAGES OF DNA STRAND

A strand of DNA was measured to contain 40% adenine. What is the DNA's composition of the other bases?









AREAS WHERE IT CAN BE APPLIED



It's the closest planet to the Sun



AGRICULTURE

Jupiter is the biggest planet of them all



ANTHROPOLOGY

Venus is the second planet from the Sun



CATTLE RAISING

Saturn is a gas giant and has several rings



MEDICINE

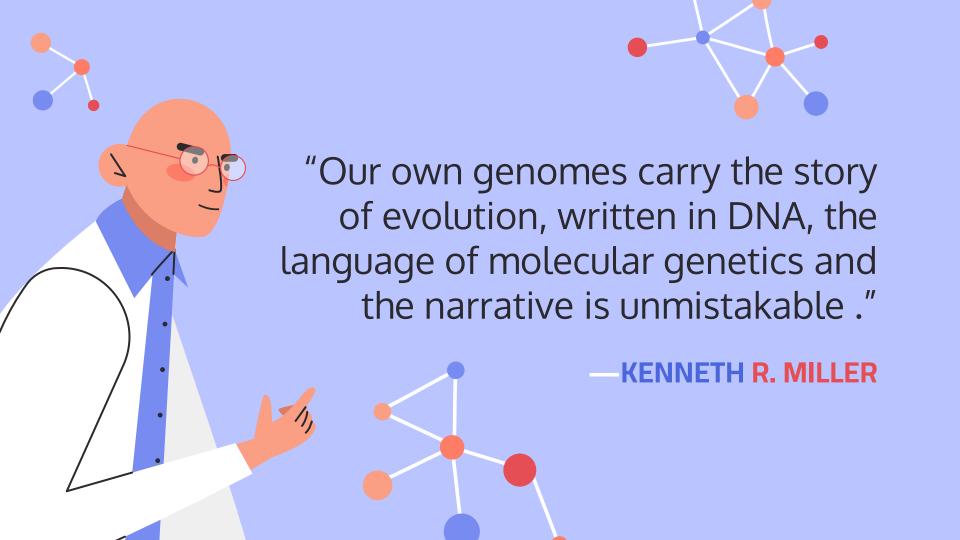
Mars is actually a very cold place



ENGINEERING

Neptune is far away from Earth







HISTORY OF DNA DISCOVERY



1860

Despite being red, Mars is a cold place

1900

Saturn is a gas giant and has rings

1910

Earth is the planet where we all live on

1881

Neptune is far away from Earth

1902

Venus has a beautiful name

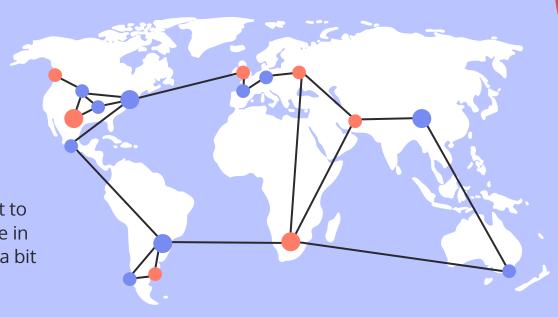


MOLECULAR GENETICS STUDIES

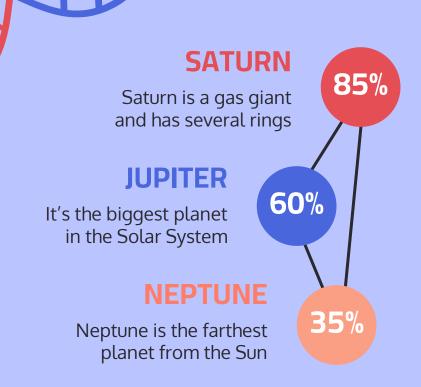


SATURN

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



DO YOU NEED A GRAPH?





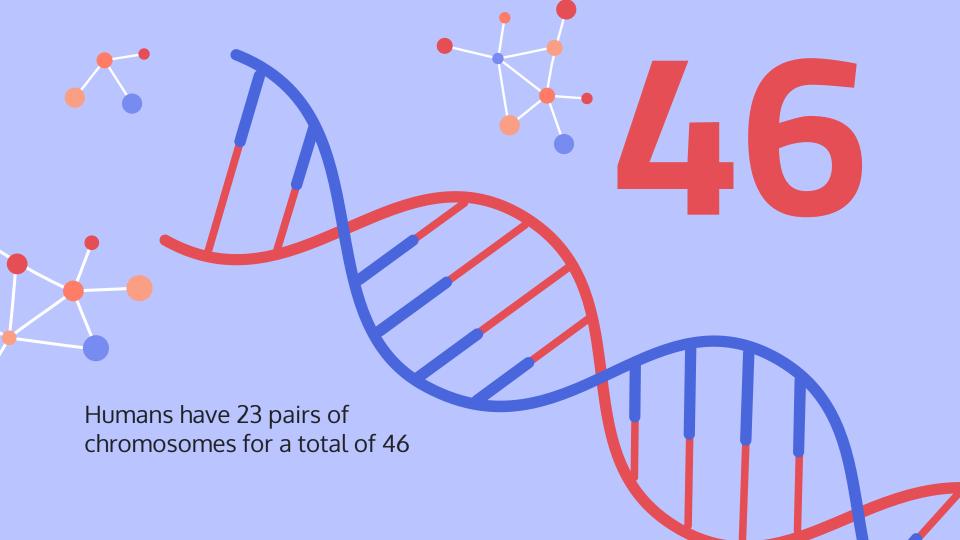
Follow the link in the graph to modify its data and then paste the new one here. For more info, click here



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







DNA MUTATIONS



MARS

Despite being red, Mars is very cold

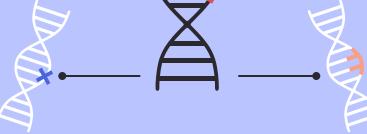


MERCURY

Mercury is a really small planet

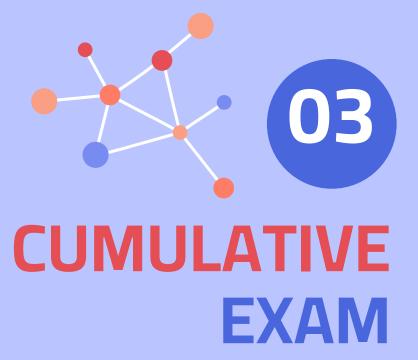
VENUS

Venus has a nice name, but it's hot



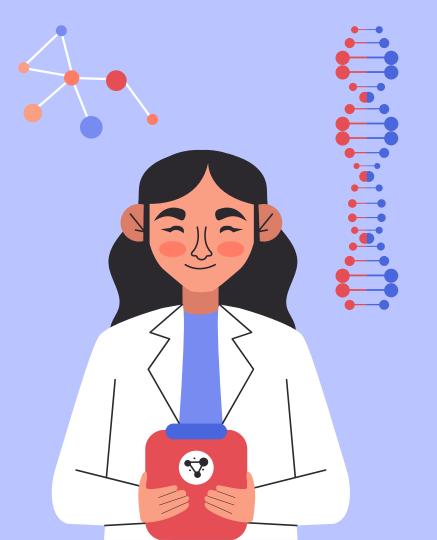
PLUTO

Pluto is considered a dwarf planet



You can enter a subtitle here if you need it







9h 55m 23s

Is Jupiter's rotation period

333,000.000

Earths is the Sun's mass

386,000 km

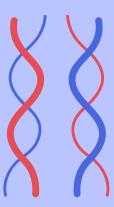
Is the distance between Earth and the Moon

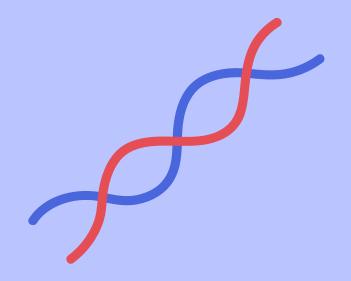


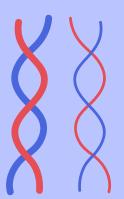
DNA STRUCTURE AND REPLICATION

The image below shows a DNA helix to undergo replication to produce two new molecules. Which image best represents the **two new DNA molecules**?











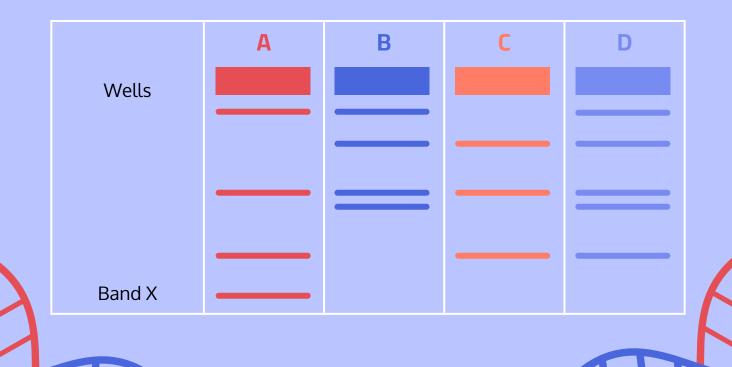




DNA UNIT TEST - 1 EXERCISE



DNA samples from four different organisms were analyzed using a procedure that separates the DNA in each samples by size



DNA UNIT TEST - 1 EXERCISE

What does band X represent?

Choose 1 answer

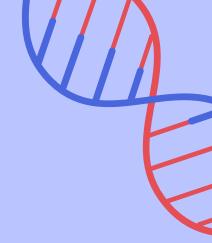


The smallest fragment of DNA that traveled fastest

The largest fragment of DNA that traveled slowest

The largest fragment of DNA that traveled the fastest





DNA UNIT TEST - 2 EXERCISE

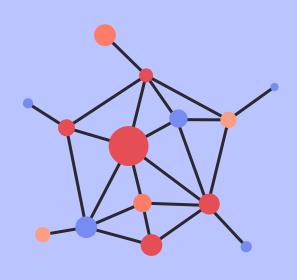
A template strand of DNA is **3' TACCGATTGCA 5'**. What is the complementary DNA strand that is created from this template during replication

5' TAGGCATTGCA 3'

5' AUGGCAAGAAAA 3'

5' ATGCTTGACTG 3'

5' ATGCTTGACTG 3'





DNA UNIT TEST - 3 EXERCISE



In a sample of double-stranded DNA, 10% of the nitrogenous bases are guanine. What percentage of the nitrogenous bases in the sample are adenine, cytosine and thymine. Name the other nucleobases and write the correct percentage next to them

GUANINE

Venus has a beautiful name, but it's hot

NUCLEOBASE?

Mercury is the closest planet to the Sun



NUCLEOBASE?

Jupiter is the biggest planet of them all

NUCLEOBASE?

Despite being red, Mars is actually a cold place

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

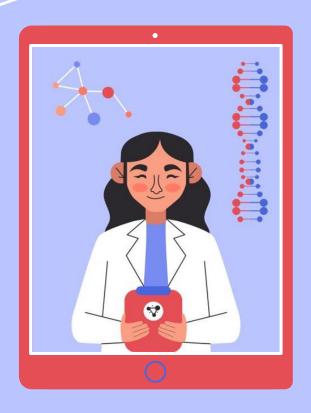
THE DNA LADDER INTERACTIVE

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











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

GENETIC CODE SIMULATION APP

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







You can give a brief description of the topic you want to talk about here. For example, if you want to talk about Mercury, you can say that it's the smallest planet in the entire Solar System

OUR TEAM OF SCIENTISTS



MARCY

You can speak a bit about this person here



SIMON

You can speak a bit about this person here



CARLY

You can speak a bit about this person here





THANKS!

Do you have any questions? youremail@freepik.com +91 620 421 838 yourcompany.com

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ALTERNATIVE RESOURCES

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

- Scientist holding dna molecules
- Vaccine in a big syringe development



RESOURCES OF THIS TEMPLATE

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

VECTORS

- People holding dna molecules in a lab
- Scientists holding dna molecules
- Scientist holding dna molecules
- Flat design scientist holding dna molecules illustration
- Dna concept illustration
- Characters holding dna molecules
- Scientists holding dna molecules



- Researchers in the biotechnology laboratory with tablet and microscope
- Scientists working in lab
- Medium shot woman with microscope
- Scientist working with microscope close up
- Smiley woman with microscope



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

Fonts & colors used

This presentation has been made using the following fonts:

Cairo

(https://fonts.google.com/specimen/Cairo)

Oxygen

(https://fonts.google.com/specimen/Oxygen)



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

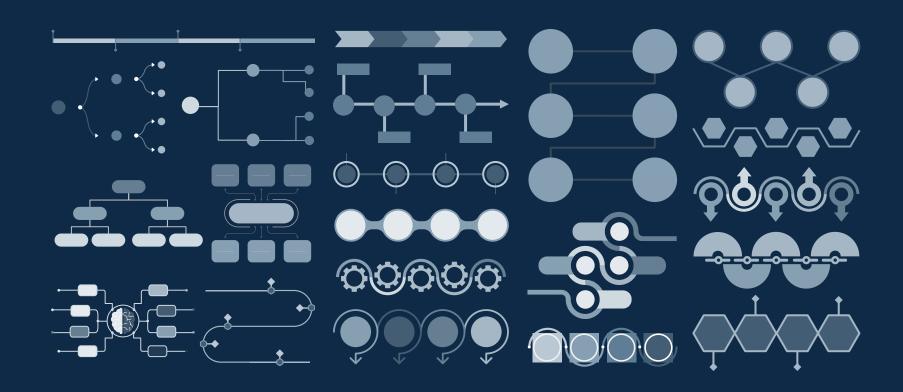
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You can easily resize these resources without losing quality. To change the color, just ungroup the resource and click on the object you want to change. Then, click on the paint bucket and select the color you want.

Group the resource again when you're done. You can also look for more infographics on Slidesgo.













...and our sets of editable icons

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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

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Teamwork Icons



Help & Support Icons



Avatar Icons



Creative Process Icons



Performing Arts Icons



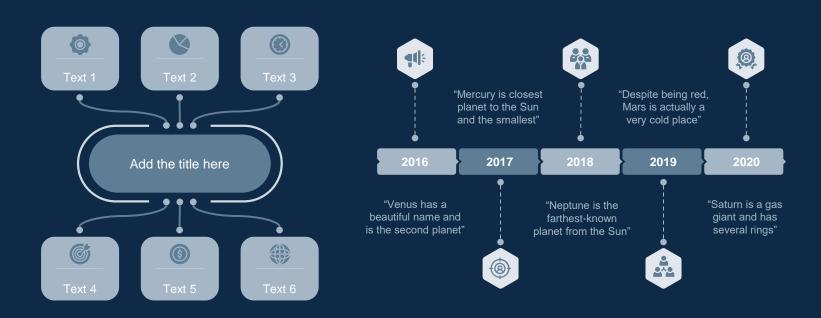
Nature Icons



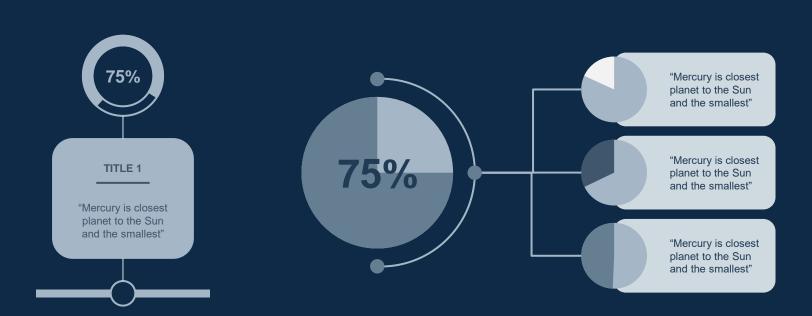
SEO & Marketing Icons



Premium infographics



Premium infographics



Digital Marketing



Online Learning



Laboratory



Goals & Results



Infographic Elements



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