

UNIT B

Name _____

Age _____ Date _____

Class _____ Teacher _____

Activity B1

#B1.1. | Discover the story of two important inventors and answer the question below.



Leonardo da Vinci (1452-1519): Italian artist, architect and inventor, Da Vinci was one of the first people to design flying machines back in the 15th century.

Among his creations, the most famous is the painting of Mona Lisa - one of the most valuable paintings in the world.

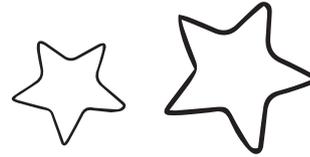
Alberto Santos Dumont (1873-1932): Brazilian inventor, Dumont made the first public flight in history, which occurred in the 20th century in Paris. Throughout his life, he also came up with other innovations, like the wristwatch and a pioneer system for hot water showers.

How many years apart were lived Leonardo and Alberto?



Activity B2

#B2.1. | Talking about my favorite invention



_____ is my favorite invention because _____.

It was invented by _____.

My artistic production is _____.

#B2.2. | Complete the blank spaces and discover the Inventors behind the inventions!

Peter is from _____ and was born in _____.

He led the team who invented the _____.

Josephine was from _____ and was born in _____.

With the help of a mechanic she invented the _____.

Angela was from _____ and was born in _____.

She created the prototype of the _____.

Ajay is from _____ and was born in _____.

He led the team who invented the _____.

Thato is from _____ and was born in _____.

She worked together with a schoolmate to invent the _____.

How many of these inventors teamed up with other people to create their innovations?

Activity B3

#B3.1. | ENERGY: A CHALLENGE FOR THE 21ST CENTURY

Text 1 : Energy and Fossil Fuels: A challenge for the 21st Century

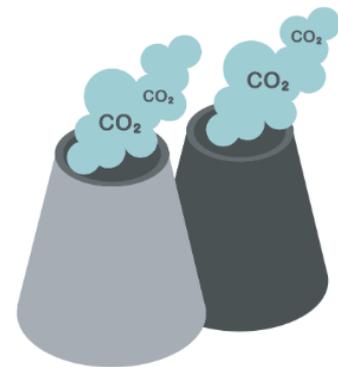
Energy is fundamental for humanity: our bodies use it to keep us alive, we use it for



cooking, we use it to keep us warm and we use fuel for transport, to move around the world. As the world population continues to grow, it is estimated that the global energy demand will double by 2050. Due to this rising demand, one of the biggest challenges in the 21st century is developing ways to generate enough clean energy for everyone.

Some of the most used energy sources today are **fossil fuels**, which have been formed over millions of years by the fossilization of buried remains of plants and animals that lived long ago. As they are consumed much faster than they are formed, they are called non-renewable energy sources. To generate energy from fossil fuels, it is necessary to burn them.

When fossil fuels are burned, for example to power an airplane to fly, gases like **carbon dioxide (CO₂)** are released into the atmosphere. These gases accumulate over time, trap heat, and form a greenhouse over the Earth, which is why they were named greenhouse gases. The more **greenhouse gases** are trapped in the atmosphere, the hotter the planet gets, leading to **global warming**. Even though global warming is a natural process of Earth, it has been worsened by human action, leading to **climate change**. So, it is urgent to change from fossil fuels to eco-friendly energy sources to combat climate change.



Learning

The most interesting thing I have learnt today is _____