

Planet Earth

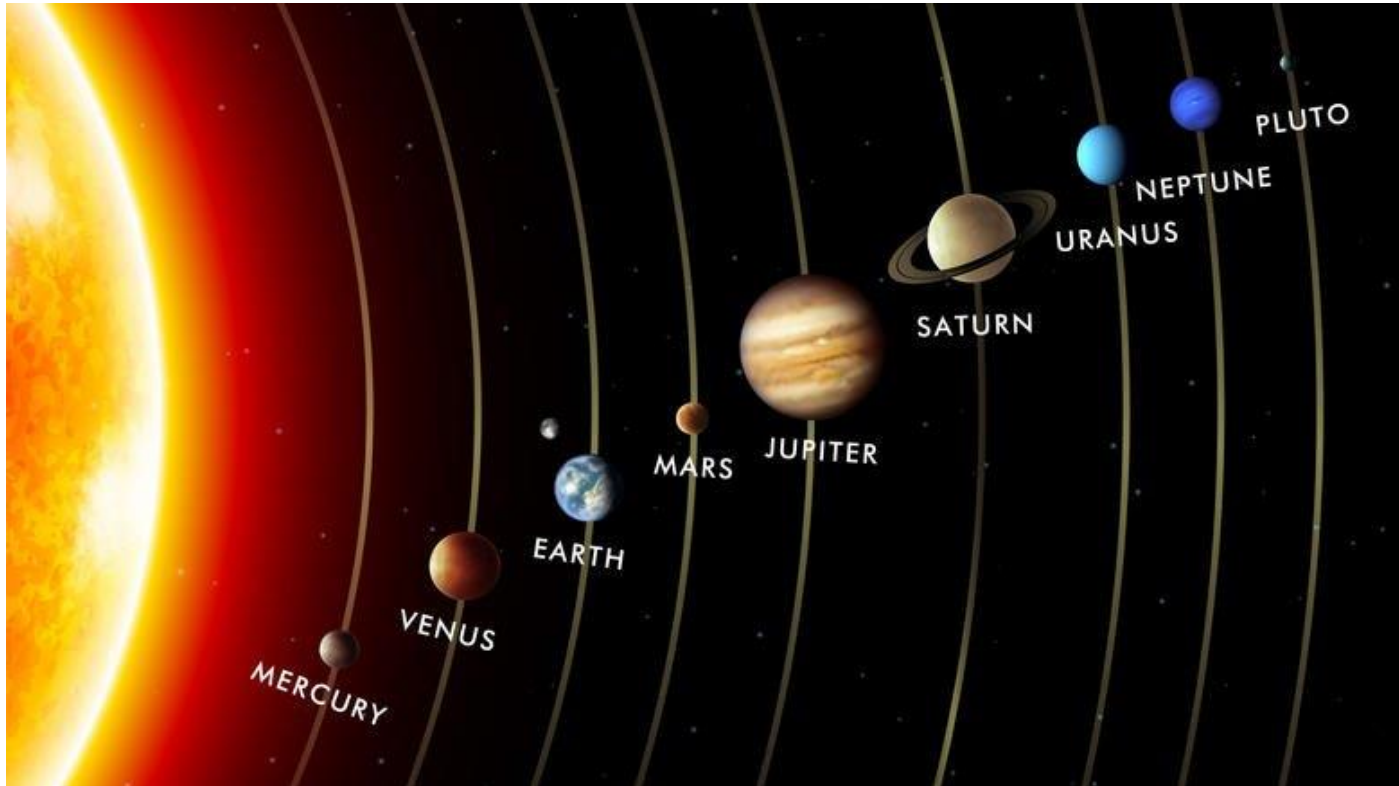
Big Bang



Milky Way



Solar System



https://www.youtube.com/watch?v=BZ-qLUIj_A0

- Which is the closest planet to the Sun?

- Mercury

- Which is the biggest planet in the Solar System?

- Jupiter

- Which planet is the same size as the Earth?

- Venus

- Which is the coldest planet in our Solar System?

- Uranus

- Which planet has the highest mountains in our Solar System?

- Mars

Planet Earth



<https://www.youtube.com/watch?v=juhFnXCNQMI>

Planet Earth



Conditions make life possible on Earth:

- **right distance**
- **atmosphere**
- **water**



Express your opinion, giving reasons, about the existence of life elsewhere in the Universe.

The movement of the Earth

Rotation



What would happen to Earth if rotation did not occur?

Time zones



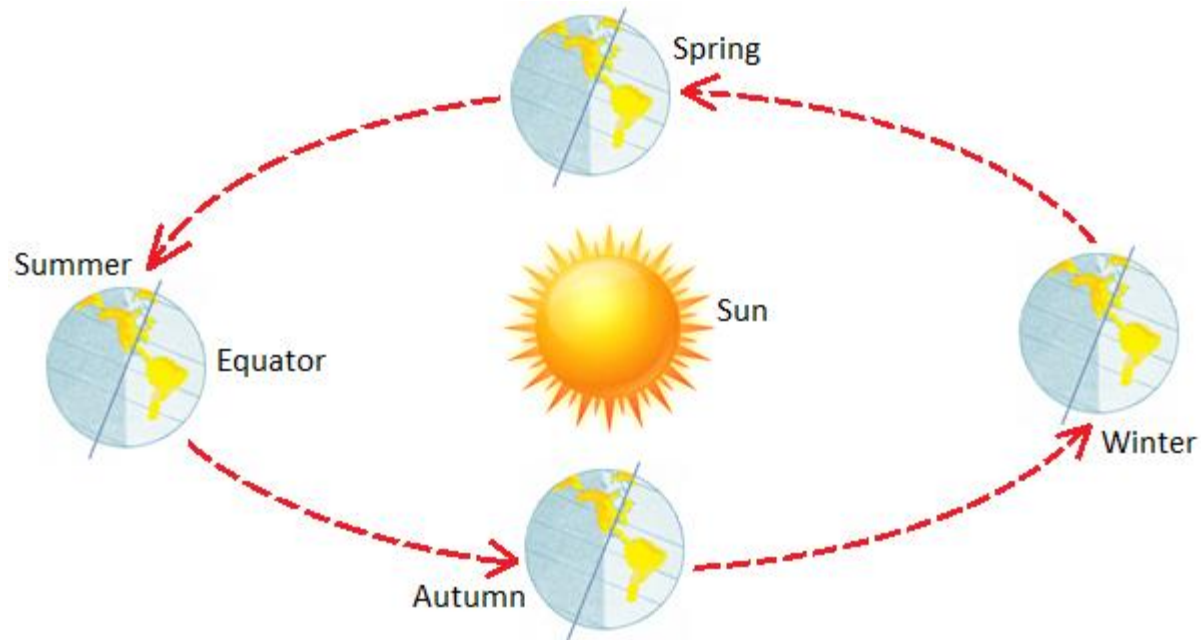
Look at the map and answer the questions:

- Why do we say “and one hour earlier on the Canary Islands” in the Spanish media?
- You are flying from Ottawa to Pekin. How many time zones will you cross? Do you set your watch a few hours forwards or backwards when you arrive?
- Look at China on the map. What happens in this country?
- How many time zones are there in the USA?



The movement of the Earth

Revolution



Juan's grandmother is elderly, but she says she is 23 years old because she was born February 29th. How old is she really?

Solve this puzzle:

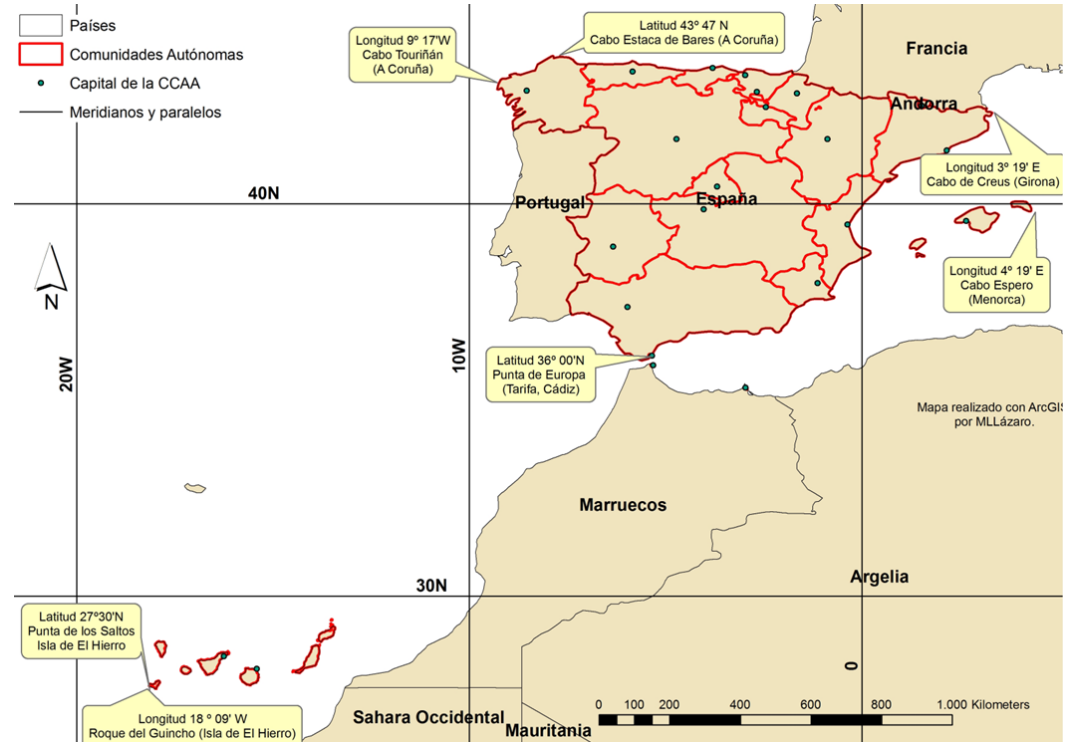
My friend Charo got married on September 19th and arrived at Buenos Aires on the 20th to spend her honeymoon. She was in Argentina for 15 days and came back to Spain on October 4th. Seeing her clothes in the suitcase, I realized that she had been there all seasons



Geographic coordinates



Geographic coordinates



Which is the most northern place in Spain? What is its latitude?
Which is the most eastern place in Spain? What is its longitude?
Which is the most southern place in Spain? What is its latitude?
Which is the most western place in Spain? What is its longitude?
Indicate the geographical coordinates of Madrid and Seville.