Ocean, an important regulator of the world’s climate
SNAKES AND LADDERS GAME

Box n°1
CHALLENGE

In the Ocean, there are warm and cold currents. On the planisphere, show me the warm currents and the cold ones.

It is very hot in Ecuador and very cold in the Poles. Through the currents (global conveyer belt), Ocean distributes the heat all around the globe. It is in permanent exchange with the atmosphere.
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Box n°2
QUIZ

Which human activities do reject greenhouse gases?

A- ride a bike
B - use your car
C - walking

Indeed, with the development of human activities (travel, food, heating...), the quantity of greenhouse gas, such as the CO2, increases in the atmosphere.
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SNAKES AND LADDERS GAME

Box n°3
INFORMATION

Ocean absorbs approximately 25% of our CO2 emissions by two manners:

. physical (by simple dissolution)

. and biological (gases absorption by seaweeds and phytoplankton).
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SNAKES AND LADDERS GAME

Box n°4
QUIZ

Which excess of heat does the Ocean absorb?
A - 93 %

B - 25 %

C - 50 %

If we reject more and more greenhouse gases, the temperature of the planet increases. Ocean can absorb 93% of this excess of heat, but not more...

Without it, there would be more storms, tornados, droughts...
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Box n°5
INFORMATION

Ocean does a favor to us: it regulates climates.

Thank you the Ocean!
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SNAKES AND LADDERS GAME

Box n°6
CHALLENGE

Mime what we can make in order to limit our gas emissions, during our travels or at home.

It is up to us to limit our gas emissions: soft mobility, renewable energy (solar energy or wind energy).

Don’t forget that Ocean brings us some more other benefits for our health!