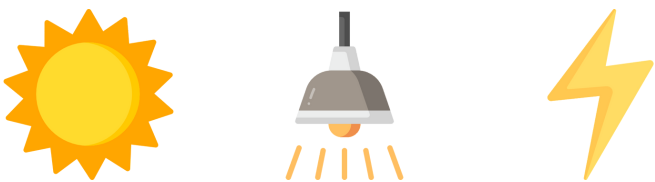


## DOES LIGHT HAVE ENERGY?

Two types of substance can be distinguished in the universe: matter, which has mass, and light, which has zero mass. Light can propagate in a vacuum, always at the same speed. But what is it made of? In this project, the aim is to understand the fundamental physical concept of energy, its forms and transformations.

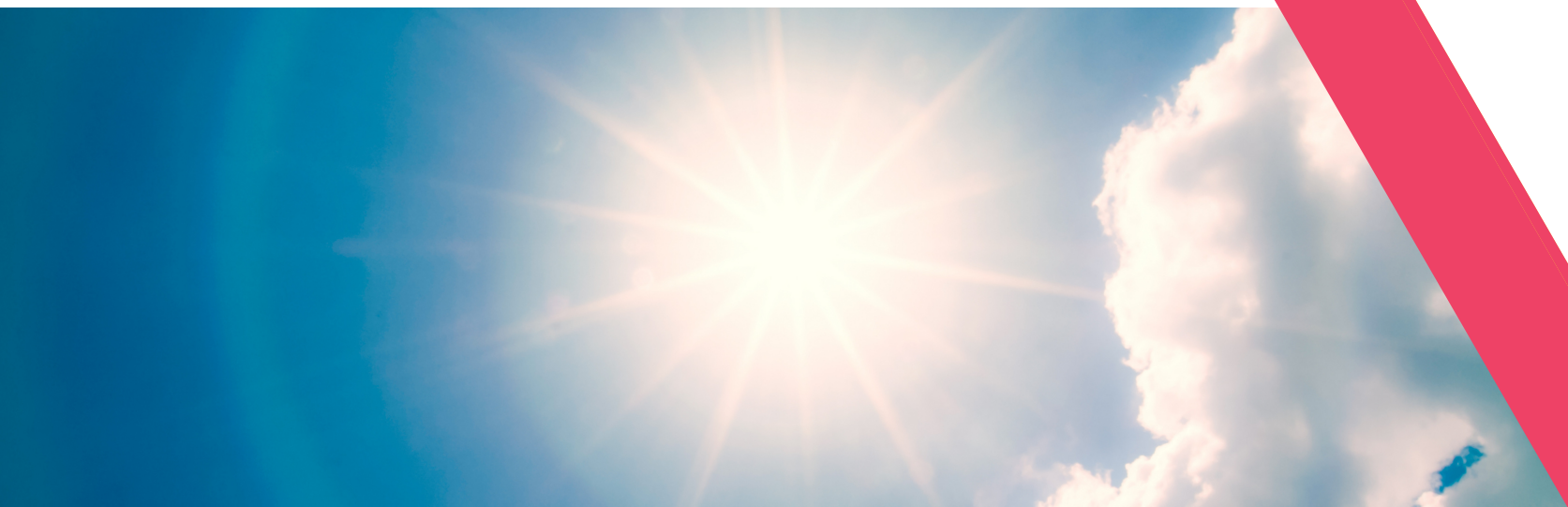
**Can you develop a solution to produce energy from sunlight?**



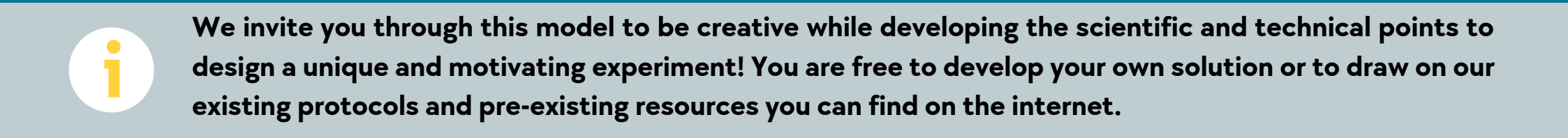
Name your team / Name of the participants:


.....

.....



## DEFINE YOUR SCIENTIFIC EXPERIMENT



 We invite you through this model to be creative while developing the scientific and technical points to design a unique and motivating experiment! You are free to develop your own solution or to draw on our existing protocols and pre-existing resources you can find on the internet.

## ORIENTATION

Briefly introduce your experiment, the issues addressed, the learning objectives. Define the problem to be solved, what are the learning objectives?

## INTERDISCIPLINARITY

Discipline	Concept addressed through the protocol

## CONCEPTUALISATION

Formulate a hypothesis to answer the given problem.

## INVESTIGATION

Describe the steps needed to answer your hypothesis. You could use the following steps as a guide: collect the data and use sensors, display the data, make it accessible, analyse the data and conclude, use the data to propose one or more solutions.

Identify the knowledge mobilised during this phase, identify the learnings acquired, reflect on what you have gained as competencies, knowledge and skills.