



DU 6: TRANSFORMATIONS IN MATTER. ENERGY



This is true for me



This is partly true for me



This isn't true for me

DATE			
I can explain that energy can be transferred, stored, or dissipated, but not created or destroyed, and provide examples.			
I can define energy as a quantity expressed in the corresponding unit in SI.			
I can distinguish the concept of heat and work and I can recognize which agent acts in everyday transformations.			
I can relate the concept of energy to the ability to produce change and I identify the different types of energy in everyday situations.			
I can explain energy transformations that take place in real life situations.			
I can recognize and justify that energy can be transferred, stored, or dissipated but cannot be created or destroyed, and I can give some examples.			
I recognize, describe, and compare renewable and non-renewable energy sources, and I can analyse their environmental impact.			
I can compare the main sources of energy for human consumption, based on geographical distribution and environmental effects.			
I can interpret comparative data on the evolution of global energy consumption, and I can propose both individual and collective saving measures.			
I can identify some of the main environmental problems related to energy waste.			
I can search, check, and select scientific information using ICT.			
I can perform experimental work to demonstrate the transformation of some forms of energy into others, applying the scientific method and using ICT for the final report and the presentation of the results.			
I can extract useful information from energy labelling on home appliances and I can recognize the importance of choosing the most energy efficient options.			
I participate, value, and respect both individual work and teamwork.			