

EXAMPLES	ADVANTAGES	DISADVANTAGES
X RAYS	They enable an accurate diagnosis.	Patients are exposed o radiations that are detrimental to their health. A long exposure can cause cancer.
PESTICIDES AND HERBICIDES FOR CROPS	They kill plagues and weeds from crops so they allow a higher production of food.	They pollute the soil, the underground water and they kill a lot of living things which are not a plague.
MOTOR VEHICLES (CARS, MOTORBIKES)	They allow us to move or travel long distances easier.	They pollute the atmosphere, harming our health, and they contribute to climate change.
NUCLEAR ENERGY	They create part of the electricity that we use at home.	This type of energy generates very dangerous waste and there is a risk of serious accidents.
ANTIBIOTICS	They improve the survival to diverse infections that before their discovery endangered the human beings' health.	They can cause side effects such as: allergies, nausea, stomach pain, etc. The excessive use of antibiotics in animals for human consumption, such as sheep, cattle ... etc. in livestock farms may contribute to develop resistance to antibiotics. If we abuse antibiotics or the doses are not taken correctly, the bacteria can become <i>resistant</i> , that is, they mutate, <i>transform</i> and become able to resist effects of an antibiotic.
TRANSGENIC FOOD (GENETICALLY MODIFIED FOOD OR GM)	Greater resistance to pests, more nutritious food, better food conservation.	Genes can mutate with unknown effect to our health or the environment. Reduction of crop variety and of ecosystems biodiversity Potential allergies.