Institut de Camarles EXPERIMENTAL SCIENCES DEPARTMENT	**EXPERIMENTAL SCIENCES**
	Group/class: 1st BAT
	ERASMUS + SMART WASTE MANAGERS: WASTE WATER

1. Match the elements of the two columns, **topic** and **definition,** all of them are related concepts to waste water.

Waste water treatment	Process used to remove contaminants and turn them into an effluent that can be returned to the water cycle with a minimum impact on the environment.
Waste water Quality indicators	Laboratory and test methodologies to assess suitability of wastewater for disposal or re-use
Pollutant	Substance introduced into the environment that has undesired effects on it.
Human waste (human excreta)	Waste products of human digestive system and the human metabolism (urine and feces)
Waste water	Any water that has been affected by human use
Drinking or clean water	Potable water, water that is safe to drink or to use for food preparation.
Surface runoff	Flow of water that occurs when excess of stormwater, meltwater, or other sources flow over the Earth's surface
Grey water or sullage	Waste water generated in households or office buildings from streams without fecal contamination
Biodegradation	It is the breakdown of organic matter by microorganisms, such as bacteria and fungi.

2. There are two lists below with different types of pollutants and some examples. First of all, relate pollutants with examples and then make a scheme and classify them into ***(1) Biological***, ***(2) Chemical or Physical*** **pollutants.** Finally make a padlet or piktochart about POLLUTANTS using this information.

POLLUTANTS	EXAMPLES
Heavy metals	Hg, Pb, Cr...
Bacteria	Salmonella, shigella,...
Organic non soluble particle	Humus, feces, hairs, food, paper fibers,...

Gases	Carbon dioxide, methane, hydrogen sulfide...
Viruses	Hepatitis A, enteroviruses...
Macro-solids	Sand, ceramic, metal particles...
Soluble inorganic materials	Urea, fruit sugars, drugs, proteins...
Inorganic particles	Sanitary napkins, condoms, needles,...
Soluble organic materials	Ammonia, cyanide, thiocyanates...
Protozoa	Entamoeba histolytica, giardia lamblia...
Microplastics	Polyethylene, polypropylene beads, polyester and polyamide
Emulsions	Paints, adhesives, haie colorants, mayonnaise...
Parasites	Helminth and their eggs, ...
Toxins	Pesticides, poisons, herbicides...

3. Search for 5 different ways to **reduce waste water** and make an advertising slogan to convince your classmates.