



## SELF-ASSESSMENT TEST LESSON 3

State whether each of the following statements about **Industrial Wastewater treatment Technologies** is True (T) or False (F)

Industrial wastewaters (IWW) usually have more salts than urban wastewaters	Т	F
Effluents from pulp and paper mills contain mainly inorganic compounds	Т	F
There is not a standard design to treat all IWW due to the characteristics of the process specific waste	Т	F
Physical processes are not needed for the treatment of IWW since proficient chemical operations have been developed	Т	F
Heavy metals can be precipitated as metal hydroxides	Т	F
Anaerobic biological processes are very attractive for wastewaters with low organic load	Т	F
One of the disadvantages of anaerobic biological treatments is that sludge produced is unstable	Т	F
The removal of chromium is aided by oxidation before precipitation	Т	F
Alkaline waters can be neutralized adding caustic soda	Т	F
The efficiency of a high-rate sludge anaerobic digester can be increased cooling it	Т	F
	Effluents from pulp and paper mills contain mainly inorganic compounds  There is not a standard design to treat all IWW due to the characteristics of the process specific waste  Physical processes are not needed for the treatment of IWW since proficient chemical operations have been developed  Heavy metals can be precipitated as metal hydroxides  Anaerobic biological processes are very attractive for wastewaters with low organic load  One of the disadvantages of anaerobic biological treatments is that sludge produced is unstable  The removal of chromium is aided by oxidation before precipitation  Alkaline waters can be neutralized adding caustic soda  The efficiency of a high-rate sludge anaerobic digester can be	Effluents from pulp and paper mills contain mainly inorganic compounds  There is not a standard design to treat all IWW due to the characteristics of the process specific waste  Physical processes are not needed for the treatment of IWW since proficient chemical operations have been developed  Heavy metals can be precipitated as metal hydroxides  T  Anaerobic biological processes are very attractive for wastewaters with low organic load  One of the disadvantages of anaerobic biological treatments is that sludge produced is unstable  The removal of chromium is aided by oxidation before precipitation  Alkaline waters can be neutralized adding caustic soda  T  The efficiency of a high-rate sludge anaerobic digester can be

