EX1//calculate the Gross Annual Methane Generation solid waste in a region their population (9344400), production of waste per day equal to 0.5 kg / person / Day , Fraction of MSW disposed to landfill 0.8, Methane correction factor=0.74 ,Fraction of Carbon releases as Methane=0.5 , DOC=0.21 , DOCf=0.77.

	A Population whose Waste goes to SWDSs (Urban or Total) (persons)	B MSW Generation Rate (kg/capita/day)	C Annual Amount of MSW Generated (Gg MSW)	D Fraction of MSW Disposed to SWDSs (Urban or Total)	E Total Annual MSW Disposed to SWDSs (Gg MSW)
			C = (A x B x 365)/1 000 000		E = (C x D)
1995	9344400	0.5	1705.35	0.8	1364.28

	STEP 1	STEP 2	STEP 3						STEP 4			
	A Total Annual MSW Disposed to SWDSs (Gg MSW)	B Methane Correction Factor (MCF)	C Fraction of DOC in MSW	D Fraction of DOC which Actually Degrades	E Fraction of Carbon Released as Methane	F Conversion Ratio	G Potential Methane Generation Rate per Unit of Waste (Gg CH_4/Gg MSW)	H Realised (Country-specific) Methane Generation Rate per Unit of Waste (Gg CH_4/ Gg MSW)	J Gross Annual Methane Generation (Gg CH_4)			
YEAR							G= (C x D x E x F)	H= (B x G)	J= (H x A)			
1995	**1364.2824**	**0.74**	**0.21**	**0.77**	**0.5**	**16/12**	**0.11**	**0.08**	**108.83**			