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	Unit	Gram Equivalents	Exp. Form	
	Kilogram (kg)	1000.0 g	10 <sup>3</sup> g	
	Gram (g)	1.0 g	1 g	
	Milligram (mg)	0.001 g	10 <sup>-3</sup> g	
	Microgram (µg)	0.000,001 g	10 <sup>-6</sup> g	
	Nanogram (ng)	0.000,000,001 g	10 <sup>-9</sup> g	
	Picogram (pg)	0.000,000,000,001 g	10 <sup>-12</sup> g	
	Femtogram (fg)	0.000,000,000,000,001 g	10 <sup>-15</sup> g	















Methods and Tools for Risk-Based Decision Making			
Method/Tool	Description		
Decision analysis	Systematic approach for making decisions under uncertainty, which accounts for underlying beliefs and preferences. Steps involve identifying a problem and viable actions, establishing a decision tree that provides for choices and accounts for chance events, and assigning probabilities to each chance event and utility values to the consequences associated with each choice.		
Cost-benefit analysis (or benefit-cost analysis)	Systematic process of enumerating all tangible and intangible societal costs and benefits associ- ated with an option or alternative options. Costs and benefits are valued in a common unit (typi- cally monetary) and net benefits are calculated as the difference between total benefits and costs.		
Cost-effectiveness analysis	Systematic approach for finding the lowest-cost means of achieving an objective or comparing the relative costs and effects of multiple options. Costs are measured in monetary terms, while effec- tiveness is expressed as some unit of output or outcome (e.g., number of lives saved).		
Comparative risk analysis	Method of comparing multiple risks using a common metric. This procedure is often used to rank environmental hazards by their relative risk for purposes of setting priorities.		
Value-of-information analysis	Method of evaluating the benefit of collecting additional information to reduce or eliminate uncer- tainty in a specific decision-making context. The newly acquired information should affect a behav- ior, decision, or outcome (or it is not worth obtaining).		











