

Solution Dilution PS # 35

Name: _____

Period: ____

Solute	Mass (g) (give one decimal place)	Molar Mass (g/mol)	Moles (mol)	initial concentration (M)	initial volume	final concentration (M)	final volume	volume added
LiCl				0.20	1.0 L		4.0 L	
MgI ₂					400 mL	0.80	600 mL	
H ₂ SO ₄				1.5		0.75	5.0 L	
Ba(OH) ₂				0.48	0.60 L	0.12		
Ca(NO ₃) ₂			0.80		200 mL			600 mL
FeCl ₃	81.1				1.25 L		4.0 L	