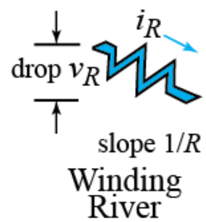
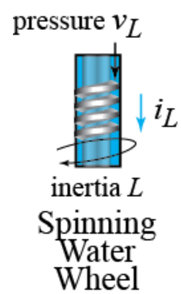
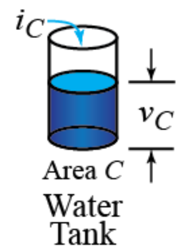
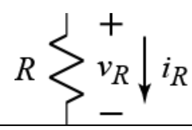
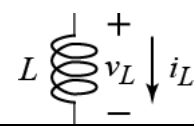
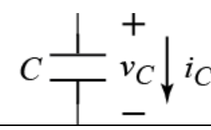
TOOL:

	R	L	C
Water Analogy			
Circuit Symbol			
Series Equivalent	$R_{Eq} = R_1 + R_2$	$L_{Eq} = L_1 + L_2$	$C_{Eq} = C_1 \parallel C_2$
Parallel Equivalent	$R_{Eq} = R_1 \parallel R_2$	$L_{Eq} = L_1 \parallel L_2$	$C_{Eq} = C_1 + C_2$
i-*v* Equation	$v = iR$	$v = L\dfrac{di}{dt}$	$i = C\dfrac{dv}{dt}$
Energy Stored	0	$w = \frac{1}{2}Li^2$	$w = \frac{1}{2}Cv^2$
Final Value Equiv	R	wire	open
Source Equivalent		*i*-source	*v*-source
Time constant (with R)		$\tau = L/R$	$\tau = RC$
Impedance	R	$j\omega L$	$1/j\omega C$

Note: $A \parallel B = \dfrac{1}{\dfrac{1}{A} + \dfrac{1}{B}}$