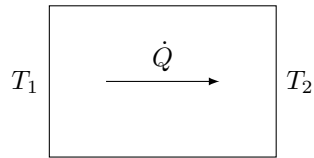
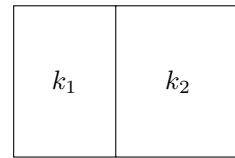


Conduction, composite walls, and cooling fins



Conduction slab



Two-layer wall

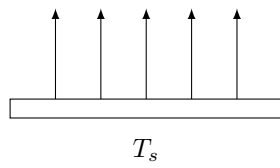


Extended surface attached to a base

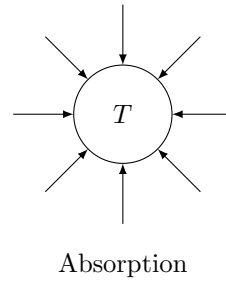
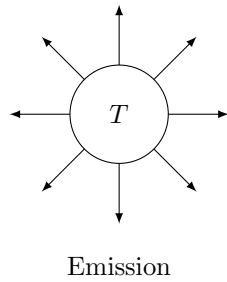
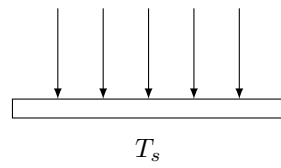
Heat-flow and conductivity labels are supplied by the author. Geometry is schematic; the nodes do not calculate Fourier-law conduction or a fin temperature profile.

Convection and thermal radiation

Heated surface: heat enters the fluid

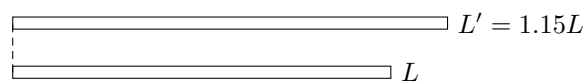
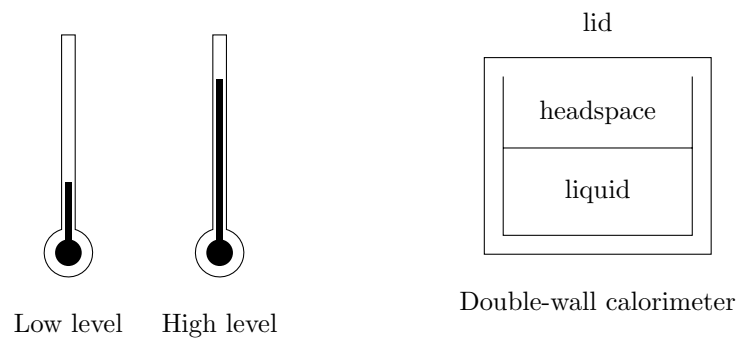


Cooled surface: heat enters the plate



Arrows represent schematic heat-transfer directions. Their lengths and spacing do not encode heat flux, convection coefficients, emissivity, or radiant power.

Thermometers, calorimetry, and expansion



Thermometer level is a geometric fraction; add your own calibrated temperatures. Calorimeter contents and rod expansion are specified by the author. All physical geometry defaults to black and white.