

Answer #164

The answer is (c): the system will become more unbalanced with time, as seen in the photograph at the right, which was taken after equilibrium was reached.



Notice that in this case the weight of the wooden block causes the right side of the balance to go down, but the surface of the water in the beaker at the right *also* goes down. Therefore, more water will flow from the left beaker to the right beaker, causing it to become more unbalanced (see level) before equilibrium is reached (compare water levels in the two beakers).

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