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Solution We are to decide if the specific weight is an extensive or intensive property. Analysis The original specific weight is  $\gamma = W/V$ . If we were to divide the system into two halves, each half weighs  $W/2$  and occupies a volume of  $V/2$ . The specific weight of one of these halves is  $\gamma = (W/2)/(V/2) = W/V$  which is the same as the original specific weight.

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