Quiz Ch18-1

Date: 2/11 /2016

Name: ID#: Sec#:

A certain substance has a mass per mole of 50.0 g/mol. When 314 J is added as heat to a 30.0 g sample, the sample’s temperature rises from 25.0 C to 45.0 C. What are the (a) specific heat and (b) molar specific heat of this substance? (c) How many moles are in the sample?

Another way: