

Preclass Assignment

CHEM 1090-General Chemistry I

Name:

#12

Section: 32, MWF

Due Date: Wednesday 2/14/2018

1. 57.152 g of solid gold at 75.32 °C is plunged into a container of cold water. Once the water and the gold have attained the same temperature, it's determined that 87.6 J of heat have been transferred from the gold sample to the water. What is the new temperature of the solid gold? You will need to look up the value for the specific heat of gold.