Home work(3)

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Name:

ID:

1-what is the molecular mass of a gas that effuses through a small hole at twice the rate as oxygen gas O2 at the same temperature?

2-which gas has molecules with the average molecular speed at 25 CO ?

A-CH4  B-Kr C-N2 D- CO2 E-Ar

3-copper metal has a specific heat of 0.385 J/gCO and has a melting point of 1083 CO calculate the amount of heat required to raise the temperature of 22.8g of Cu from 20.0 CO to 875 CO  ?

4- if 325 g of water at 4.2 CO absorbs 12.28 KJ then what is the final temperature of the water ?

5-Find four of the most influential factors on the speed of interaction?