## Quiz 17.2 – The Arrhenius Equation

Name:				
A reaction's rate is measured at different temperatures. Data are summarized in the table below:				
	Trial	Rate $(M/s)$	$T(^{\circ}C)$	
	1	Rate $(M/s)$ $1.4 \times 10^{-4}$	25	
	2	$3.7\times10^{-4}$	75	
Use these data to find the activation energy for this reaction				
What would you expect the reaction rate to be at $-10^{\circ}C$ ?				
Wh	at is the	Arrhenius pre-f	actor or fre	equency factor, $A$ , for this reaction?

The Arrhenius equation is based on a fairly simple model of reaction rates. What are some real factors which might make reaction rates deviate from the Arrhenius equation?

## Good Bones

## By Maggie Smith

Life is short, though I keep this from my children. Life is short, and I've shortened mine in a thousand delicious, ill-advised ways, a thousand deliciously ill-advised ways I'll keep from my children. The world is at least fifty percent terrible, and that's a conservative estimate, though I keep this from my children. For every bird there is a stone thrown at a bird. For every loved child, a child broken, bagged, sunk in a lake. Life is short and the world is at least half terrible, and for every kind stranger, there is one who would break you, though I keep this from my children. I am trying to sell them the world. Any decent realtor, walking you through a real shithole, chirps on about good bones: This place could be beautiful, right? You could make this place beautiful.