

Chemical Reactions



Name Class Date In a reversible reaction, chemical A 1.0 gram sample of powdered Zn reacts equilibrium is attained when the faster with HCI than a single 1.0 gram piece of Zn because the surface atoms in A rate of the forward reaction is greater powdered Zn have than the rate of the reverse reaction B rate of the reverse reaction is greater than the rate of the forward reaction higher average kinetic energy lower average kinetic energy c concentration of the reactants more contact with the H+ ions in the acid reaches zero **D** concentration of the products less contact with the H+ ions in the acid remains constant The potential energy diagram below represents The potential energy diagram below 3 the reaction $A + B \rightarrow C + energy$. represents the reaction $A + B \rightarrow C + energy$. Which statement correctly Which numbered interval will change with 5 **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet 7 products and the potential energy of the reactants is defined as the A lowering the activation energy B increasing the activation energy A activation energy lowering the frequency of effective sionization energy collisions between reacting molecules increasing the frequency of effective c heat of reaction collisions between reacting molecule neat of vaporization 9 Which unit is used to express he Which sub energy absorbed or released during at STP? a chemical reaction? A Fe(s) A kelvin $B C_6 H_{12} O_6(s)$ **B** calorie C NaCl(s) C volt D $CO_2(s)$ D torr



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