Kinetics Worksheet 1

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1. The rate of a chemical reaction between substances A and B is found to follow the rate equation rate = k[A]^*[B] where k is a constant. If the concentration of A is halved, what should be done to the concentration of B to make the reaction go at the same rate as before?

(A) The concentration of B should be doubled.

(C) The concentration of B should be doubled.

(C) The concentration of B should be doubled.

(C) The concentration of B should be paudrupled.

2. The rate expression for a second-order reaction could be (A) rate = k[A] (B) rate = k[A]^*[B] (C) rate = k[A]^*[B] (D) rate = k
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