

21. The rate of a chemical reaction will increase with all of the following EXCEPT which one? \_\_\_\_\_

- a. increase concentration
- b. increase surface area
- c. decrease temperature
- d. decrease activation energy

22. If you lower the activation energy, how does that affect the reaction?

If you lower the activation energy, it becomes easy to start the reaction.

23. Why does making larger pieces of a substance decrease the surface area and therefore decrease the rate of a reaction?

If you make larger pieces of the substance, you do not have the inside parts, which means the substance cannot react as fast. It has to wait for the insides to be exposed for them to react!