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The following statements describe factors that affect the rate of chemical reaction. Use the word bank belo to complete the statements

Catalyst	Surface	Concentrastion	Energy
Effective	Unchanged	Collisions	Frequency
Collide	Activation	Temperature	Area

1. T_____: this affects the energy of the partickles and how quickly they C_____. Increasing the temperature of a system can lead to an increase in collision rate. It also affects the F_____with which the particles collide and how E_____the collisions are. The energy required for any reaction to take place is called the A_____energy for that reaction.
2. C_____: this is a measure of how crowded the particles are in a solution and the frequencies of collision It changes the frequency of collision
3. S_____ A _____: this is a measure of how much solid is exposed to reaction and therefore how many C_____take place. It changes the frequency of collision.
4. The presence of a C_____: these speed up a chemical reactions but is U_____chemically. They work by lowering the activation E_____for the reaction.

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