

Name: _____

Date: _____

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Chapter 3 Practice Test

For questions 1 to 6, write the word from column B that matches the description in column A.

A	B
1. Preservatives are a type: _____	a) poisons
2. It is measured in degrees Celsius: _____	b) temperature
3. The opposite of an inhibitor: _____	c) catalytic converters
4. Catalysts found in your body: _____	d) rate of change
5. Inhibitors that prevent normal life reactions: _____	e) inhibitor
6. A measure of how fast or slow a change happens: _____	f) enzymes
	g) catalyst

7. Decide whether each of the following statements is true or false. If it is false, rewrite it to make it true.

a) **True/False** Increasing concentration will slow down a reaction.

b) **True/False** The low concentration of oxygen in a peat bog speeds up the rotting process.

c) **True/False** Heating usually speeds up the rate of reaction.

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(continued)

d) True/False Catalytic converters clean up exhaust only in Cadillac vehicles.

e) True/False Food preservatives are inhibitors.

Circle the best answer for questions 8 to 10.

8. In a catalytic converter, what two factors help speed up the rate of reaction?

- a)** honey coating and platinum **b)** catalysts and increased surface area
c) palladium and low temperature **d)** poison and inhibitor

9. This is one way to increase the surface area of a substance.

- a)** Blow air over it. **b)** Freeze it.
c) Increase its mass. **d)** Cut it into smaller pieces.

10. In a mine, why is coal dust in the air dangerous?

- a)** It catches fire easily.
b) It makes breathing difficult.
c) It settles on surfaces, covering everything.
d) It is hard to see through the cloud.

11. Explain three ways you could speed up the evaporation of water in a puddle on the bathroom floor.

- a)** _____
b) _____
c) _____

12. When limestone in the ground reacts with acid, it can form rock pillars. Limestone dissolves faster in acid water.

a) What speeds up the rate at which limestone wears away?

b) How would the concentration of acid affect the rate of the reaction?