Rates of Reaction Physical Science

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1. What are ways that rates of reaction are affected?
2. What does rate of reaction mean?
3. Why do reactions take place?
4. What is activation energy?
5. The rates of reaction depend on what two things?
6. What speeds up a reaction?
7. What are five factors that affect the rate of reaction?
8. What happens to a reaction over time?
9. What happens to concentration over time?
10. What causes a reaction to slow down?
11. How does a graph show the difference between a fast reaction, a slow reaction and no reaction?
12. What are reactants? What are products?
13. How does a graph show the mix between reactants and products?
14. How do you measure the rate of reaction?
15. What can be measured to calculate the rate of reaction between magnesium and hydrochloric acid?
16. What equipment is needed to investigate the rate of hydrogen production?
17. How can the rate of reaction be measured from a graph?
18. Match the reactant/product mix to stages of reaction!
19. Complete the sentences about rates of reaction.
20. What happens to a reaction rate when temperature increases? Why?
21. How does increased temperature affect particles collisions?
22. Why are car batteries more likely to run down in colder temperatures?
23. What causes the rate of reaction to slow down?
24. How does temperature affect the rate of reaction?
25. How does the rate of reaction change with temperature?
26. How quickly does the rate of reaction change with increased temperature?
27. What is the effect of concentration on the rate of reaction?
28. What happens to the amount of particles available with increased concentration?
29. How does concentration affect reaction rates?
30. What does the graph show about how concentration affects reaction rates?
31. What affect does pressure have on the rate of reaction?
32. Where does a reaction take place on a solid?
33. What happens when a solid is split into smaller pieces?
34. How does surface area affect particle collisions?
35. Which rate of reaction is faster? One with small particle size or large particle size? Why?
36. What are catalysts?
37. How do most catalysts work?
38. Many catalysts are what type of element?
39. How do catalysts help industry?
40. What five terms are in the glossary?
41. What are the anagrams?

a)

b)

c)

d)

e)

1. What are the missing words?

1a

1b

1c

2a

2b

2c

3a

3b

3c

1. What are the multiple choice answers?

1

2

3

4

5

6

7

8

9

10