

Name _____

Speed It Up: How Heat and Pressure Change Chemical Reactions

Multiple Choice Questions

1. What happens to particles when temperature increases?
 - a) They move faster
 - b) They freeze
 - c) They slow down
 - d) They disappear

2. Why does heat speed up chemical changes?
 - a) It cools things down
 - b) It makes colors appear
 - c) It gives particles more energy
 - d) It adds water

3. What does pressure do to gas particles?
 - a) Moves them farther apart
 - b) Makes them bigger
 - c) Makes them disappear
 - d) Pushes them closer together

4. Why does a glow stick glow faster in hot water?
 - a) Heat slows the reaction
 - b) Heat speeds up the reaction
 - c) The glow stick freezes
 - d) Water washes away the color

5. What must scientists be careful of when using heat and pressure?
 - a) Making too little product
 - b) Coloring the product
 - c) Causing dangerous reactions
 - d) Cooling too fast

