

# Homework 2.1

1. What is **always** formed during a chemical reaction? 1  
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2. There are four signs that a chemical reaction has taken place. What are they? 4  
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3. Complete the following table (✓) on everyday chemical reactions.

Description of Change	Chemical Reaction	Not a Chemical Reaction	
firework exploding			
iceberg melting			
sausages cooking			4
puddle evaporating			

4. Chemical reactions can have different speed, depending on the conditions in the reactions. List three ways to **slow down** a chemical reaction. 3  
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5. Suggest a reason for the change in reaction rate for each of the following:

a) Potatoes cook faster when they are fried than when they are boiled. 1  
 .....

b) Potatoes cook faster when they are cut into quarters before boiling. 1  
 .....

c) A glowing splint relights in oxygen but goes out if kept in air. 1  
 .....

1  
**15**