

Task A

Cut out the 'foldable' below. Cut along the solid lines and make a fold along the dotted line.

Put glue just on the 'Chemical reactions' section and stick it in your book. You should be able to lift up each of the five flaps.

Sort the statements into the correct categories and write them under the correct flap.

Chemical reactions foldable	What happens to atoms during a chemical reaction?	Statements
	Why are catalysts useful?	Make new substances
	How can you tell that a reaction is happening?	Fizzing and bubbles
	Examples of useful chemical reactions.	The substance is not used in the reaction
	What is a reversible reaction?	After atoms are rearranged they can return to their original substances
		Atoms are rearranged
		Burning fuel for heat
		Medicines
		Reactions speed up
		Explosions
		Temperature change
		Smells
		Making fabrics

Task B

Cut out the 'foldable' below. Cut along the solid lines and make a fold along the dotted line.

Put glue just on the 'Chemical reactions' section and stick it in your book. You should be able to lift up each of the five flaps.

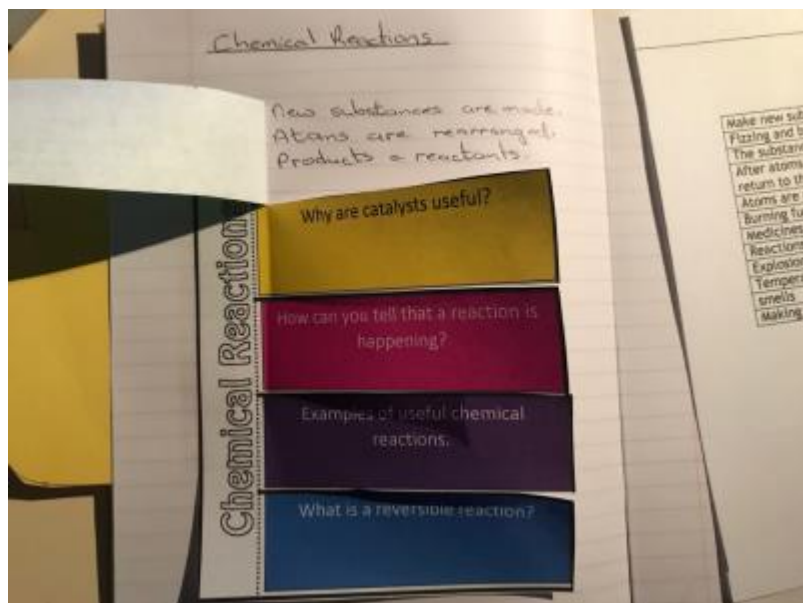
Sort the statements into the correct categories and write them under the correct flap.

Chemical reactions foldable	What happens to atoms during a chemical reaction?	Statements
	Why are catalysts useful?	Make new substances
	How can you tell that a reaction is happening?	Energy is transferred
	Examples of useful chemical reactions.	$A + B \rightleftharpoons C + D$
	What is a reversible reaction?	Temperature change
		Reactions speed up
		Medicines
		Explosions
		After atoms are rearranged they can return to their original substances
		Fizzing and bubbles
		Smells
		Atoms are rearranged
		The substance is not used in the reaction
		Burning fuel for heat
		Making fabrics

Teaching notes and answers

The worksheets are slightly different with worksheet B including two extra statements about energy transfer and reversible reactions. Choose the most appropriate for your students. To give greater challenge students could be given just the foldable and be asked to write their own statements.

The foldable should be glued into the book along the spine (as shown in the image and the statements sorted and copied into the correct categories).



Worksheet A	Worksheet B
What happens to atoms during a chemical reaction?	What happens to atoms during a chemical reaction?
Make new substances	Make new substances
Atoms are rearranged	Atoms are rearranged
	Energy is transferred
Why are catalysts useful?	Why are catalysts useful?
Reactions speed up	Reactions speed up
The substance is not used in the reaction	The substance is not used in the reaction
How can you tell that a chemical reaction is happening?	How can you tell that a chemical reaction is happening?
Explosions	Explosions
Temperature change	Temperature change
Fizzing and bubbles	Fizzing and bubbles
Smells	Smells
Examples of useful reactions	Examples of useful reactions
Burning fuel for heat	Burning fuel for heat
Medicines	Medicines
Making fabrics	Making fabrics
Reversible Reactions	Reversible Reactions
After atoms are rearranged they can return to their original substances	After atoms are rearranged they can return to their original substances
	$A + B \rightleftharpoons C + D$