7Hd/2 Separating mixtures 1

ame	Class
Fill in the gaps in these sentences, v You may need some words more th	using the words in the boxes. an once.
Filtering can separate a solid white	from a dissolve parate a dissolved solid (like er. Particles of d in the quid goes through the
2 Evaporating can separate a (like salt) from water. The mixtu until all the water has The is left b	re is dissolved evaporated heated
3 Distilling can separate a dissolved solid. You can use distil water from from inky separate a mixture of different The mixture is heated until the life The gas is collected and	Ilation to get condenses a salty water, or pure cooled water. Distillation can also liquid iquid liquids pure pure
4 Chromatography can separate difas different	_ in ink or Spots of food colouring food colouring can be used water

S knowledge, literacy, revision

7Ha/3 Dissolving key words

Name	Class
 1 Fill in the spaces using words f a Salt is a solid which b Salt water is a 	in water. cloudy
 c We can see through salt wat is d Solids, like salt, which dissol 	soluble
e Chalk does not dissolve in w	water. It is water
 f When you mix chalk with w g When you mix sugar with w 	water, the liquid turns water, the
-	is the solvent.
 a the name of a soluble solid b a word which means the sar 	
d the name of a solvent	

knowledge, literacy

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352

7Ha/4 Filtering

Filtering is used to separate a solid from a liquid.

Filtering will not separate a solid that has dissolved in the liquid.

1 Look at this list of mixtures. Circle the ones which can be separated by filtering.

salt and water	flour and water	sand and water
sand and milk	sugar and water	sugar and milk

2 Filters can be used when you are preparing food. Fill in the missing spaces in this table. The first two have been done for you

Equ	ipment	Does it filter?	What goes through the 'filter'?	What is trapped in the 'filter'?
Teabag		yes	water and dissolved tea	tea leaves
Saucepan		no	-	_
Slotted spoon	CALLER CONTRACTOR			
Chip basket				
Rolling pin				
Flour sieve				

Answer these questions in your book.

- **3** In the table, the things that filter have different sized holes. Explain why the teabag has different sized holes to the chip basket.
- **4** Imagine that you have a friend who has never seen a teabag.
 - **a** Explain how a teabag works and what it separates.
 - **b** Describe what a cup of tea is like if the teabag breaks.

