

Name _____

Date _____

SCIENCE: MIXTURES

Read the questions carefully.

1. What is the best method for removing small stones from a pound of lentil peas?

- hand picking magnetism filtration

2. How do you remove the iron filings from sand and salt?

- Use a magnet hand pick
 Use a sieve filtrate the mixture

3. Can you match the equipment to its purpose?

SORT ELEMENTS

- | | | |
|---------------------------------------|---------------------------------------|-------------------------------|
| <input type="radio"/> Filter paper | <input type="radio"/> Dropping bottle | <input type="radio"/> Funnel |
| <input type="radio"/> Filtering flask | <input type="radio"/> Sieve | <input type="radio"/> Magnets |

It is used to reduce pressure.	
It is often used to separate solid and liquid mixtures.	
It is used to add liquid by drop number, always with a rubber head.	
It is used to sift earth materials.	
It is used to separate non-magnetic material from magnetic material.	
It is used to sieve solids at different phrases.	

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4. Connect the terms of the two columns.

SORT ELEMENTS

with a sieve	With a magnet.	Distilling
Heating until water vaporizes	Heating until water vaporizes	

How can you separate oil from water?	
How can you separate a mixture of alcohol and water?	
How can you obtain salt from sea water?	
How can you separate a mixture of sand and stones?	
How can you separate a mixture of sulphur and iron filings?	

5. Determine if the following is a solution or a mixture. Write your answer.

Concrete block	
a cup of tea	

6. A solute dissolves in a _____.

solution

solvent

7. Type **soluble** or **insoluble** for each of the following substance.

salt –

sugar –

sand –

oil –

pebbles –

small leaves –