

Name:

1) Write the Methods of separation that the following pictures show.



2) Grab and drop the mixtures to their method of separation.

Decantation	Magnetic separation	Filtration	Evaporation	Distillation

Salt and water	Petrol and water	Leaves and water	Iron and plastic	Alcohol and water
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3) Are the following sentences true or false?

- Two liquids can be separated by filtration. True/False
- Decantation can be used to separate liquids from liquids and liquids from solids. True/False
- Liquids can be evaporated by freezing them. True/False
- Distillation is used to separate solids from liquids. True/False

4) What two types of energy does combustion produce?

\_\_\_\_\_ and \_\_\_\_\_

5) Complete the text with the words given below.

<b>oxygen</b>	<b>rust</b>	<b>atoms</b>	<b>oxidation</b>
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\_\_\_\_\_ happens when \_\_\_\_\_ in a substance react with \_\_\_\_\_ in the atmosphere, producing a new substance called \_\_\_\_\_.

6) Select the substances that can oxidate.

Apples	<input type="checkbox"/>
Gold	<input type="checkbox"/>
Iron	<input type="checkbox"/>

Potatoes	<input type="checkbox"/>
Silver	<input type="checkbox"/>
Steel	<input type="checkbox"/>

7) Select the food that is produced by fermentation:

Pasta	<input type="checkbox"/>
Bread	<input type="checkbox"/>
Lemonade	<input type="checkbox"/>
Cheese	<input type="checkbox"/>
Chorizo	<input type="checkbox"/>
Yoghurt	<input type="checkbox"/>
Pickles and olives	<input type="checkbox"/>
Tomatoes	<input type="checkbox"/>
Soup	<input type="checkbox"/>

8) Decide if the mixtures are heterogeneous or homogeneous.

**Fruit salad** Heterogeneous/ Homogeneous

**Wine** Heterogeneous/ Homogeneous

**Pizza** Heterogeneous/ Homogeneous

**Pasta with meat** Heterogeneous/ Homogeneous

**Strawberry smoothie** Heterogeneous/ Homogeneous

**Paella** Heterogeneous/ Homogeneous

**Soup** Heterogeneous/ Homogeneous

9) Classified the words.

Combustion	Distillation	Filtration	Oxydation	Fermentation	Evaporation
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SEPARATING MIXTURES	CHEMICAL CHANGES

10) What do the definitions describe?

- a) A mixture that is evenly distributed
- b) A device that attracts iron and other metals