Unit 2 - Mixing Materials
Revision for Unit Test (Part 1)

Name: _____ Class: _____ Date: _____

Unit 2.1 Solid, liquid and gas

A

S - solid	**G** - gas	**L** - liquid

Mark each material with the correct letter using the key above.



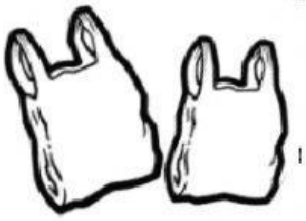
wool ☐



cotton ☐



metal ☐



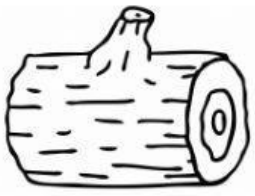
plastic ☐



oxygen ☐



steam ☐



wood ☐



hot air ☐

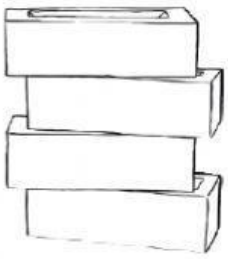


water ☐

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B. Match the correct pair. Use a line to connect them.

solid	liquid	gas

 milk	 bricks	 helium

C. True or false. Write TRUE if the statement is correct and FALSE is the statement is wrong.

_____1. **Solids** keep their shape unless they are twisted or bent.

_____2. **Solids** follow the shape of their container.

_____3. **Liquids** flow when poured.

_____4. **Liquids** do not change shape.

_____5. **Gases** spread out to fill the space it is in.

_____6. **Gases** take the shape of their container.

_____7. **Mixtures** are made up of two or more materials mixed together.

_____8. **Mixtures** could be made up of solids, liquids or gases or a combination of these.

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Unit 2.2 Separating mixtures

A. A mixture or Not a Mixture. Look at these materials and identify whether they are a mixture or not. Check all mixtures.



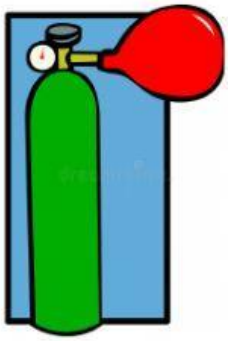
salt



noodle soup



pizza



helium gas



milk tea



pure water

B. Mixtures can be separated in different ways. Choose how to separate the following mixtures and complete the sentence of the reason.

1. 

Paper clips can be separated from paper strips by a _____. Paper clips are _____ but papers are not.

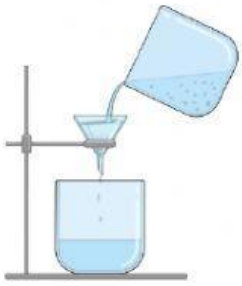
2. 

A bowl of cereal is a mixture. We can separate the cereal pieces by _____. We can separate them into _____.

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3. 

To separate sand from gravel, we use a _____. Smaller materials like sand can _____ through the sieve but not the bigger gravel.

4. 

A mixture of pepper and water can be separated by _____. Water can pass through the tiny _____ of the filter paper but not pepper.

Unit 2.3 Dissolving

A. Soluble or Insoluble. Identify the following materials whether they can be dissolved in water or not. Check all soluble solids.



food colour powder



gold dust



instant coffee powder



flour



sand



juice powder

B. Complete the sentences below.

1. **Solids that dissolve in water are _____.**
2. **Solids that do not dissolve in water are _____.**
3. **Water is clear or _____.**
4. **Sugar will _____ in water. You can't see it but the water tastes sweet.**

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