

## 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.



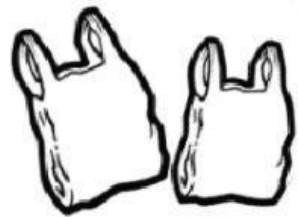
wool

☐

cotton

☐

metal

☐

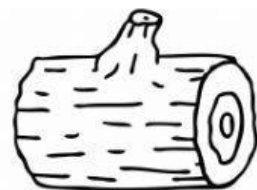
plastic

☐

oxygen

☐

steam

☐

wood

☐

hot air

☐

water

☐

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

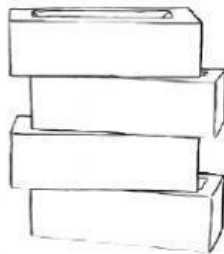
solid

liquid

gas



milk



bricks



helium

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

## 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.



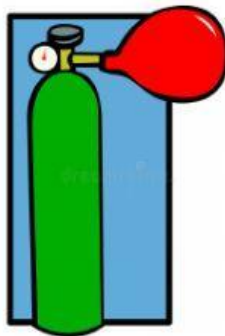
salt



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 \_\_\_\_\_.

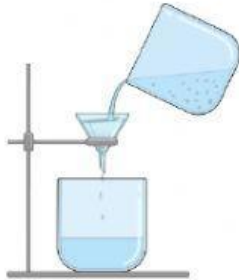
3.



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.