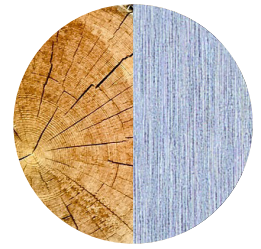


Science - Test Your Skills

Year 5 Properties and Changes of Materials



1. Put **one tick** in each column to complete the table below.

One has been done for you.

	Hardest	Most Soluble	Most transparent	Most absorbent
Iron	√			
Sugar				
Glass				

1 mark

2. Fill in the gaps using the words **good** and **poor**.

An oven glove should be made of a thermal conductor.

Electrical wiring should be made of aelectrical conductor.

Wool would be a material to use to build a bridge. Using an insoluble material to make bath salts would be a idea.

2 marks

3. Arnold makes a mixture of salt and peas. Is this mixture a reversible or irreversible change?

1 mark

4. In this mixture what would be the best way for Arnold to separate the salt and peas?

- Put the solids in a sieve and shake it so the peas fall through.
- Pick the salt out with a spoon.
- Put the solids in a sieve and shake so the salt falls through.

1 mark

5. Year 5 have been finding out about separating mixtures. They mix sand in water, it doesn't dissolve.

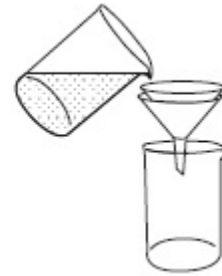
A) Circle the word that best describes the sand.

Soluble or Insoluble

B) What is this method of separation called?



We should now pour the mixture through paper in a funnel to separate the sand from the liquid.



2 marks

6. Match the material with its most appropriate properties.

Metal

Strong, flexible and long-lasting

Plastic

Shiny, strong and hard

Wood

Strong, waterproof and can be melted in to any shape

1 mark

7. Give one every day use of the following materials.

Material	Everyday Use
Glass	
Plastic	
Metal	
Wood	

1 mark

8. Give an example of one change that is irreversible.

1 mark

/10
Total