

What am I? Teachers' Guidance Notes

Learning Objectives

- To learn about the characteristics of local raw materials and canal related objects
- To find out how the raw materials and objects were used
- To develop skills including team work, problem solving, literacy and comprehension skills

Resources

- Clue cards
- Object cards

Instructions for the Game

The aim of this game is to try to guess the raw material or object being described in as few clues as possible.

In your group, take it in turns to pick up an object card with its matching clue card. Read out the clues one at a time. Other game players take turns to guess what the object might be after each clue. The clues get easier as you go along.

When a player guesses the correct answer or if they still haven't guessed after all the clues, turn over the object card and show the picture of the object.

Tip: If you would like to make the game more competitive play in a pair and use the scoring system below. Players take turns to read a different card with clues.

Scoring: This depends on how many clues you need before you get the answer right. The winner is the one with the most points at the end of the game.

- 1 clue – 5 points**
- 2 clues – 4 points**
- 3 clues – 3 points**
- 4 clues – 2 points**
- 5 clues – 1 point**

Note: Discuss all the facts you have learned at the end of each turn.



Further Activity Ideas

1. Choose another object associated with the canal and design your own set of clues.
2. Use the 'Raw Materials case study investigation' to find out more about some of the raw materials.

Object Card

I am an Iron bolt

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Object Card

I am Sandstone

© Andrew Deathe



Object Card

I am Clay

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Object Card

I am Coal

© Andrew Deathe



Object Card

I am Limestone

© Andrew Deathe



Object Card

I am Water

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Object Card

I am Slate



Object Card

I am a Canal boat



Object Card

I am a Bridge



Object Card

I am a Crane



Object Card

I am a Horse



Object Card

I am Pontcysyllte Aqueduct



Clue Card

1. I am one of hundreds used to build Pontcysyllte Aqueduct.
2. I am made from a material that is mined from the ground.
3. I am used to hold the sides (cast iron plates) of the aqueduct trough together.
4. I am tightened with a nut, screwed onto one end of me.
5. I am made of iron and am super strong.

Answer: Iron bolt

What am I?

Clue Card

1. I was the bed of an ancient river millions of years ago.
2. I am chiselled and cut in quarries.
3. I am strong but easily cut so I'm perfect for aqueduct pillars and canal bridges.
4. I am commonly seen in Cefn Mawr but have also been used to build famous buildings in Liverpool.
5. I am a golden yellow colour.

Answer: Sandstone

What am I?

Clue Card

1. I am made up of very small particles and am quite sticky.
2. I'm watertight and I line the bottom of the canal to stop it leaking.
3. I am a material you find in the ground.
4. I am soft but go hard in a hot oven, called a kiln.
5. I am used to make bricks and tiles.

Answer: Clay

What am I?

Clue Card

1. I am formed from the remains of plants that lived over 300 million years ago.
2. I am found underground in a dark and dusty place.
3. Many people worked in the dark to dig me out.
4. I am a source of heat for homes and making objects in kilns and furnaces.
5. I am black and shiny.

Answer: Coal

What am I?

Clue Card

1. I am made up of the remains of sea creatures that lived millions of years ago.
2. I am used in iron production, for building and for making roads.
3. I am burned in kilns to make a white powder used to make mortar for sticking stones and bricks together.
4. This white powder is also spread on farmland to help crops grow.
5. I am chiselled and cut in quarries.

Answer: Limestone

What am I?

Clue Card

1. I come from the river at Horseshoe Falls.
2. Fish live in me and ducks live on me.
3. Boats float on me in the canal.
4. 55 million litres of me flows through the canal every day.
5. I fill up the whole of the canal.

Answer: Water

What am I?

Clue Card

1. I am found in the mountains near Llangollen.
2. I am chiselled and cut from cliffs in quarries.
3. I am carried to the canal on horse-drawn tramroads.
4. I am very hard but I split easily.
5. I am made into paving stones and roof tiles.

Answer: Slate

What am I?

Clue Card

1. People can live in me.
2. I can move quite quickly along the canal.
3. I can carry bricks, coal and stone but now it's mainly tourists.
4. I am sometimes painted in bright colours.
5. I can be pulled by a horse or powered by an engine.

Answer: Canal boat

What am I?

Clue Card

1. I am made mostly from stone or brick.
2. I am built so people, animals and vehicles can cross me.
3. I come in many different designs, one of them arched.
4. If designed to do so, some of my kind can be opened.
5. There are 31 of me over the Llangollen Canal.

Answer: Bridge

What am I?

Clue Card

1. I am built of wood and metal.
2. I have a long wooden or metal arm.
3. I make lifting loads easier.
4. I am found at Llangollen Wharf and other places along the canal.
5. I helped to move cargoes on and off the canal boats.

Answer: Crane

What am I?

Clue Card

1. I am very strong and work very hard.
2. I wear a thick leather collar padded with straw.
3. Young children often walk with me and help to look after me.
4. I can pull 50 times as much weight with a canal boat rather than a cart.
5. I have four legs.

Answer: Horse

What am I?

Clue Card

1. I am 307 metres long and very tall too.
2. I was designed by two famous engineers
3. I celebrated my 200th birthday in 2005!
4. Boats cross over me.
5. I carry water.

Answer: Pontcysyllte Aqueduct

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