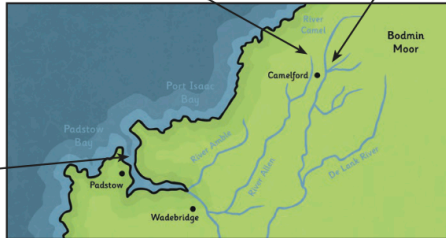


"Let your light shine." Matthew 5:16

**Beacon
Curriculum
Geography**

Hillings St. Aidan's CE Primary School



The diagram illustrates the process of generating electricity from a dam. It shows a cross-section of a dam with a spillway and a powerhouse. The flow of water is indicated by blue arrows. The components are numbered 1 through 4:

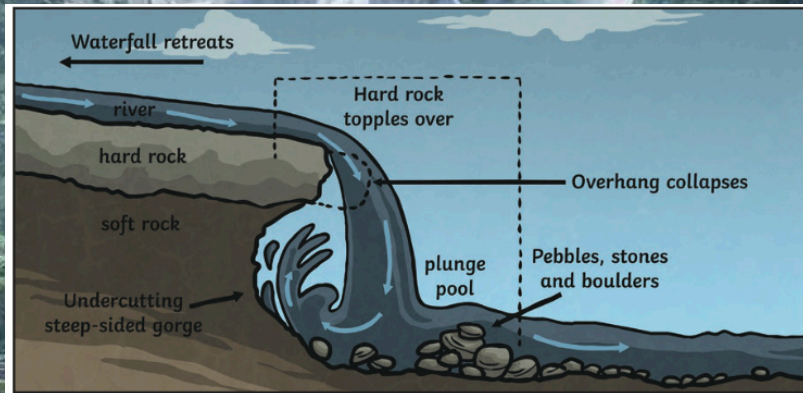
1. Water flowing over the dam spillway.
2. Water flowing down the spillway.
3. Water flowing through the turbine in the powerhouse.
4. Water flowing out of the powerhouse into a reservoir.

Key Vocabulary

channel	The course in the ground that a river or water flows through.
dam	A barrier built to hold back water.
deposition/ deposit	When rocks and other materials that have been eroded are dropped off further along the river.
discharge	The amount of water flowing along a river per second.
erosion	Rocks and other river materials are picked up by the water and moved to another place along the river.
mouth	The point where a river joins the sea.
source	The place where a river begins.
tidal bore	A strong tide from the coast that pushes the river against the current causing waves along the river.
tributaries	Rivers that join up with another river.
valley	A long ditch in the earth's surface between ranges of hills or mountains.

How Do We Use Rivers?

Leisure	+	Controlled population of fish
e.g. fishing	-	May leave litter and pollute the water
Industry	+	Sections of rivers maintained
e.g. factories	-	Chemicals pollute the water and habitats
Tourism e.g. walking routes	+	Conservation and education about local wildlife
	-	Too many people near wildlife habitats



To know statements



I know that the water cycle keeps going.	
I know how to use a legend to find rivers on a map.	
I know the sea a river flows into.	
I know the place in which the source of a river is found.	
I know how to compare the length of rivers.	
I know the features of a river at different points along its course.	
I know how meanders form.	
I know how waterfalls are formed.	
I know how to identify meanders on a map and photograph.	
I know the ways rivers are used.	
I know at least two reasons why dams are built.	
I know the advantages and benefits of building a dam.	
I know the disadvantages and risks of building a dam.	

What can you remember from previous units?
 What is the water cycle?
 How can flooding occur?
 How can I find rivers on a map?

Anything else you have learnt? What have you enjoyed?

