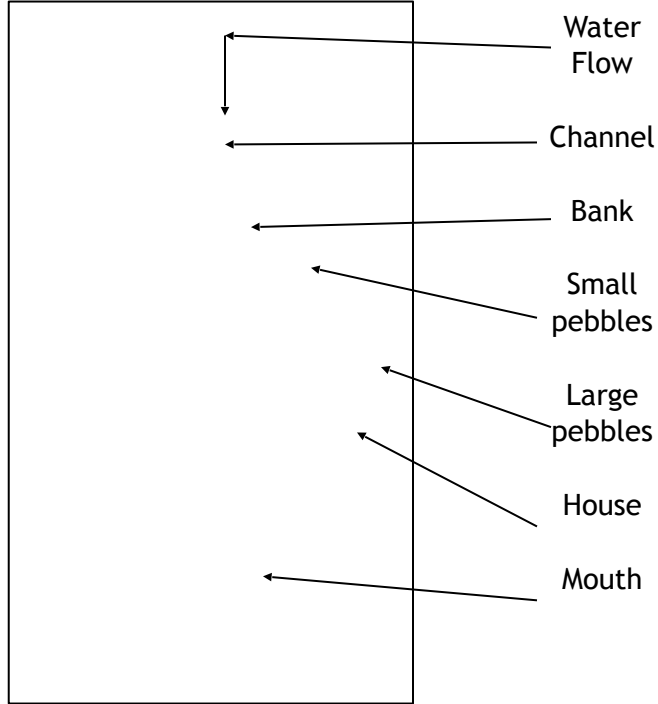


# Worksheet 1

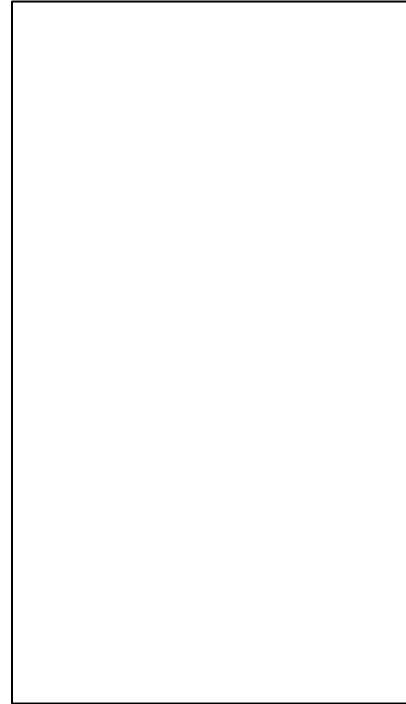
# Rivers, erosion and landscapes.

Name. \_\_\_\_\_

Before



After



What happened?

Slow river ✓ or X

Fast river ✓ or X

	The sand moved	
	The small pebbles moved	
	The large pebbles moved	
	The channel became bendy	
	The channel became wider	
	The banks fell down	
	The houses fell down	
	Sand and pebbles moved to the mouth	
	There was sand in the water	

## River notes.

- Demonstrate how river flows in a straight channel, slow river.
- Ask students to comment on what they can see happening
  1. In the channel
  2. ON the bank
  3. At the mouth
- Revise river landscape vocabulary orally, e.g channel, source etc.
- Focus on meander - remake river channel as a meander.
  1. **How and why is the river eroding?**  
Fast flow causes **abrasion/corrasion** (rubbing against banks), **hydraulic action** (action of river in cracks in bank).
  2. **What is the river doing with the material?**      **Transportation**  
**Solution** - some of the water dissolves material from the bed and banks.  
**Suspension** - small particles of rock and soil are carried along in suspension making the water look muddy.  
**Load** - Material being transported.
  3. **What might happen on the inside of the meander bend?** **Deposition.**  
**Sediment** - material sitting on the bottom of the river.
  4. **How might this feature change over time?**  
Meander moves  
Oxbow lake may form

## Rivers and flooding.

- Places houses along river
- Show river in flood - fast flowing river.
- Discuss what happened
  1. To the banks
  2. To the channel shape
  3. To the houses
  4. To the different size particles
- Get ideas from the group on how to prevent flooding
- Show photos of flood prevention measures.