**TYPES OF WATER WHEEL**

A water wheel is a wheel which is turned by flowing water such as a river. They are normally used to power machinery. There are **4 different types** of water wheel.



This is a **‘breast-shot’** water wheel.

A wheel is called ‘breast-shot’ if **the water hits it at the same level as the axle** (the centre of the wheel).

There are 4 water wheels below. Can you write the correct labels under each one?

You will need to consider **where the water hits each wheel**  and the **direction** in which it is flowing.

**Possible Labels**

* **Over**-shot
* **Under**-shot
* Breast-shot
* Pitch-**back**



This is a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ wheel.

This is a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ wheel.

This is a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ wheel.

This is a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ wheel.

**Answers**



This is a pitch-back wheel.

This is an under-shot wheel.

This is an over-shot wheel.

This is a breast-shot wheel.