

Good Morning students,

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Today we are going to set our focus on the topic - "Evolution of Transport and Communication" chapter-4, starting on page number-23 of your textbook, titled - "Time Trek-5". All the students may kindly open page number-23 of your textbook and be ready with your "History and Civics" notebooks for writing the answers of the questions which will be asked during the short breaks. So, Dear students kindly pay attention as I am going to explain the topic.

1) Beginning of Transport :- We all travel for several reasons such as to go to school, to meet friends, relatives, to explore new places, etc. We use transport to reach our destination. Transport is a service by which people and goods are carried from one place to another. Such travels take place over land, water and air. The different types of vehicles that we use to travel are termed as the means of transport.

In early days, walking was the primary mode of transport until early humans domesticated animals. Early humans themselves were carriers. Very heavy and large things were difficult to carry. Therefore, such things were dragged from place to place. Later, cattle, donkeys, horses and camels were used to carry loads.

2) Invention of the wheel :-

Before the invention of wheel, it must have been very difficult for early humans to travel long distances. The discovery of the wheel is one of man's greatest inventions.



Wheel made by early humans

It is believed that before the invention of the actual wheel, the sledge was invented. Tamed animals were used to pull the sledges.

Later, it is believed that the wheel may have been inspired by a simple observation of a rolling tree trunk. A round log of wood placed under a sledge would help the sledge to move smoothly, as rolling trunk causes less friction than dragging the object on the ground.

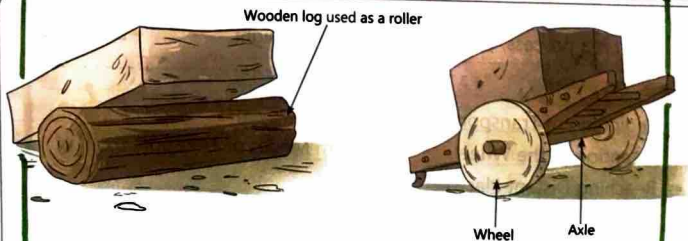


Fig. 3.1: Transformation of wooden log into a wheel

The first wheels were thus made of wooden trunks. Later, these logs of wood were cut in to wooden disks of a circular shape with a hole for the axle.

An axle is a rod passing through the centre of the wheel or a group of wheels. The axle helps the wheel to turn round freely. The first wheel is supposed to have been discovered in Mesopotamia. As the art of pottery developed, early humans started using the wheel to shape clay into finer pots and jars. This was called the potter's wheel.

So, now students we will revise that we have learnt till now. You may pause the lesson for 3-minutes and try to write the answers of the following questions.

- 1) What is an axle?
- 2) Who were used to pull sledges?
- 3) Name the wheel used for shaping clay into finer pots and jars.
- 4) Where was the first wheel is believed to be found?
- 5) Which animals were used to carry loads?

Let us discuss the answers now.

- 1) An axle is a rod passing through the centre of the wheel or a group of wheels. The axle helps the wheels to turn round freely.
- 2) Tamed animals were used to pull the sledges.
- 3) The Potter's wheel.
- 4) Mesopotamia.
- 5) Cattle, donkeys, horses and camels were used to carry loads.

That's all for today students. Please go through the assignments carefully for better understanding of the topic.

Thankyou.