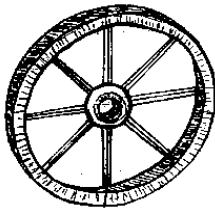


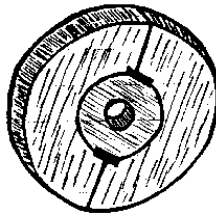
Wheels

This task is about how wheels work.

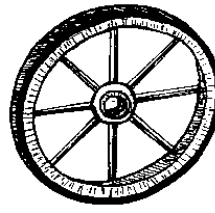
These pictures show four stages in the development of the wheel over time.



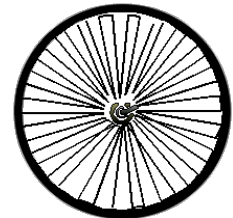
Wooden-spoked wheel



Wooden disc wheel



Wooden wheel with iron rim

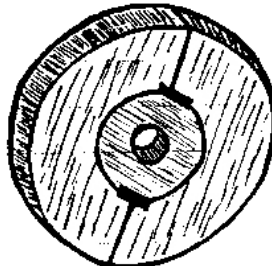


Metal-spoked wheel

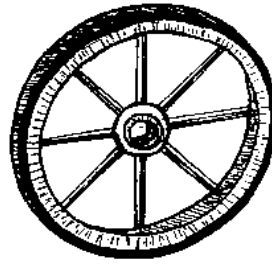
a) Which of these wheels would have been developed first?



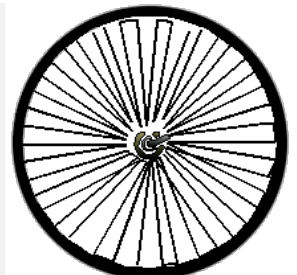
Wooden-spoked wheel



Wooden disc wheel

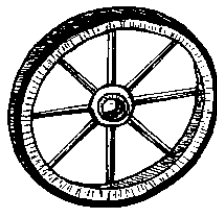


Wooden wheel with iron rim



Metal-spoked wheel

b) Give one reason why spoked wheels are better than the wooden disc wheel.



Wooden wheel with iron rim

c) Why is an iron rim put around the wooden-spoked wheel?

d) Old cars had solid rubber tyres. Modern cars have air-filled rubber tyres.

i) What is an advantage of air-filled tyres?

ii) What is a disadvantage of air-filled tyres?

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