4 – Wheel Balloon Car Questions

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| |  |  | | --- | --- | | Do the cars go faster on a smooth floor or carpet? |  | | If your car were to travel 3 metres in 3 seconds, calculate its average speed (in metres/second). |  | | What was the average speed of your car? |  | | Did you make any improvements to your car? What effect did these have? |  | | Suggest possible reasons why some cars go faster than others. |  | | **Extension questions** |  | | When you blow up the balloon you store energy in it. What is another name for stored energy? |  | | Most of the stored energy is converted to movement energy as the car zooms across the floor. What is another name for movement energy? |  | | What made the car accelerate across the floor? |  | | Why do you think cars have rubber tyres? |  | |