

## 4 – Wheel Balloon Car Questions

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.	
<b>Extension questions</b>	
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?	