

Carbon Tradies: Worksheet 6 – Molly the Mechanic

Go to www.missionco2.com, click on Play and watch the introduction to meet the Carbon Tradies. Enter your name to begin.

Select Molly the Mechanic and watch her introduction for information that will help you with the following questions and activities.



1. What are the advantages of maintaining the pressure in your car tyres at the correct level? What is the correct pressure for the tyres on your car? You may need to ask your local car or tyre dealer.

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2. Consider other aspects about the way your car is used that will effect its running costs:

(a) Is it better to shop a few times each week or do one major shop for the week? Why?

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(b) Is it better to buy from shops in different locations or shops in the one location? Explain why.

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(c) Is there a better or worse time of day to use your car (eg for shopping)? Explain.

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(d) Does it make a difference to drive as much as possible at the one speed?

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(e) What driving strategies do you suggest that would help reduce the fuel consumption of your car in its most common uses? Try to specify at least three.

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3. Consider how your car is used and any alternatives that you or other members of your family could use. For what purposes is the car mainly used? Could an alternative form of transport be used sometimes for these purposes? When are you commonly transported by car and could you use some alternative means of transport?

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4. All new cars for sale in Australia are required to display on their windscreen a label which indicates the vehicle's fuel consumption in litres of fuel per 100 kilometres (l/100km) and its emissions of carbon dioxide (CO₂) in grams per kilometre (g/km). Contact one of the major car dealers in your area (or visit its website) and ask for the fuel consumption and emissions of CO₂ information for at least three of the new cars it sells. What conclusions can you draw from this information? Are the cars with the lower fuel consumption also lower emitters of CO₂ or is there a difference? Does the size of the car influence the fuel consumption and the CO₂ emissions? Explain.

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5. If you were going to buy one of these cars, which one would you choose for your family? Explain why.

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6. What is a hybrid car? Give one example of a hybrid car and state what forms of fuel or energy it uses.
For information go to www.hybridcars.com and/or www.greenvehicleguide.gov.au.

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7. What is meant by "car pooling"? Describe any occasions when you think your family could car pool.

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8. Molly says there are advantages to be gained by car pooling, catching public transport and riding a bicycle. What are the advantages of each of these?

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Further information

For more information on how you can save water at home, work or school visit www.savewater.com.au or contact your local water provider.

