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# 2

91733



917330



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD  
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

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## Level 2 Education for Sustainability, 2018

### 91733 Demonstrate understanding of initiatives that contribute to a sustainable future

2.00 p.m. Monday 26 November 2018  
Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of initiatives that contribute to a sustainable future.	Demonstrate in-depth understanding of initiatives that contribute to a sustainable future.	Demonstrate comprehensive understanding of initiatives that contribute to a sustainable future.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

**You should attempt ALL parts of the task in this booklet.**

Pull out Resource Booklet 91733R from the centre of this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–8 in the correct order and that none of these pages is blank.

**YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.**

**Merit**

**TOTAL**

**M**

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**Resource Booklet 91733R** contains resources relating to initiatives that encourage people to use electric or hybrid vehicles:

- **Resource A** – The sustainable nature of electric/hybrid vehicles.
- **Resources B and C** – Two different initiatives that encourage people to use electric/hybrid vehicles.

Refer to ALL resources in responding to the following task.

## TASK

- (a) (i) Why are electric/hybrid vehicles considered to be more sustainable? Refer to TWO of the four aspects of sustainability: environmental, social, cultural, economic.

Aspect 1: Environmental

Norways government have a goal of all passenger cars and vans sold in 2025 should be zero emission. This initiative is environmentally sustainable. If motor ~~veh~~ vehicles become purely battery operated less fossil fuels will get released into our atmosphere. Hybrid vehicles will be giving our environment a break from the toxins <sup>released from</sup> in our ~~atmosph~~ cars. Volvo is the first <sup>major</sup> car manufacturer to have this initiative, other manufactures will soon

Aspect 2: Economic

over in the UK, the government is offering subsidies on the purchase of hybrid ~~vehicles~~ vehicles. These subsidies are making hybrid vehicles cheaper which results in more people buying them. Last year, the government provided subsidies worth up to \$15,000 per vehicle. By there being a chance of saving thousands of dollars while buying a vehicle, people will then ~~be~~ switch to using a hybrid vehicle to save

- (ii) Discuss how well the two initiatives described in Resources B and C are likely to achieve their intended outcomes to increase the usage of electric/hybrid vehicles and reduce carbon emissions.

Initiative 1 (Resource B): ~~By~~ Norwegian car company Volvo have started the attempt to manufacture cars which are solely operated by battery power. Volvo will be able to successfully enforce this initiative. Volvo has a clear guideline of what they want to do, and when they want to do it. ~~By~~ Volvo<sup>are</sup> following the wishes of customers who were asking for electric cars, ~~will lead them~~ By doing what their client want, Volvo will be seen as a ~~rep~~ respectable manufacturer, and more clients will hear about what they are doing. This is going to lead to success of Volvo's initiative of hybrid cars taking over.

Initiative 2 (Resource C): Because ~~the~~ governments ~~have~~ are offering subsidies on hybrid purchases, ~~more~~ the hope of hybrid and electric cars being the ~~sole main~~ <sup>cars</sup> ~~main~~ more popular cars on the road, will soon be reality. As electric cars are being subsidised, more people will be interested in buying them. For ~~first~~ <sup>those</sup> ~~to~~ buying their first car, something cheap will be the way to go. Not only is the car cheaper than those running off gas, but will be cheaper in the long run. By people seeing how much money they can save by buying an electric car, ~~the initiative~~ ~~of~~ customers will make the

- (b) Evaluate which initiative best meets the concept of kaitiakitanga (guardianship). You may relate your answer to local, national, or global settings.

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I believe that Norway's initiative of making all cars battery run is meets the concept of kaitiakitanga (guardianship). ~~the most that~~ ~~only is Volvo listening to their clients, but is~~ ~~also~~ By listening to the wants of their clients, Volvo is showing that ~~th~~ they are willing to help out the environment. Volvo is showing that we need to take care of our environment as ~~to~~ it is the only one that we have. The concept of guardianship can be shown by someone doing what they can to make a difference. From now on Volvo cars are going to ~~have~~ be solely operated by engine power. Harmful gasses will no longer get released from Volvo cars. Just by doing this, there will be major changes in the atmosphere around us. Other car manufacturers will most likely follow Volvo's actions, and we could one day live in a petrol free world. Volvo's act of guardianship has lead to the start of the new age of cars.

- (c) Explain how ONE of these initiatives could apply to another context or issue of sustainability. You may use the context of electric vehicles, or a different context from your own studies.

As Volvo took on ideas from customers which has lead to a massive impact ~~on~~ <sup>on</sup> ~~our~~ <sup>our</sup> ~~see~~ environment. That was a huge enviromentally sustainable decislion to make. If schools took the same concept of listening to suggestions and used it to enhance the cultural side of New Zealand, then students would understand more about ~~be~~ the māori culture in our society. Although it isn't an enviromental change to our society, there could still be an impact. Many parents push for Māori to be a compoulserary subject in all schools. But nothing is done about it. IF NZ took the concept ~~to~~ of Volvo listening to suggestions seriously, then there could be something done that is culturely sustainable. Myself personally ~~to~~ have no māori culture in me. Nor do I understand the history behind it. If schools ~~gave the chance~~ listened to the suggestions from parents ~~then~~, just like Volvos' <sup>listen to the</sup> initiative of eletric cars, then NZ could be a better place.

Extra space if required.

Write the question number(s) if applicable.

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QUESTION  
NUMBER

A i Aspect 1: realise that customers are leaning towards this initiative, and there will be a butterfly effect in regard to hybrid vehicles.

Ai Aspect 2: money, not only in the car, but as ~~it~~ they are battery operated, you can save money on petrol. By people seeing these money saving bonuses, the initiative of hybrid vehicles will come into play.

iii initiative 2: conscious decision of picking the cheaper car. leading to the success of electric cars becoming more popular.

## Merit Exemplar 2018

<b>Subject</b>	Education for Sustainability	<b>Standard</b>	91733	<b>Total score</b>	06
<b>Q</b>	<b>Grade score</b>	<b>Annotation</b>			
1	M6	The candidate has demonstrated in-depth understanding of initiatives that contribute to a sustainable future. Informed conclusions have been provided, supported by evidence and examples.			