

91279R



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

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

Level 2 Social Studies, 2016

91279 Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas

9.30 a.m. Wednesday 30 November 2016
Credits: Four

RESOURCE BOOKLET

Refer to this booklet to answer the questions for Social Studies 91279.

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

YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.

FLUORIDATION: INTRODUCTION

Water fluoridation is the process of adjusting the natural level of fluoride in the public water supply in an effort to reduce tooth decay.

[Redacted text block]



At present there are some 84 fluoridated water supplies in the country. Conflict has arisen over whether the water in New Zealand should be fluoridated or not.

THE NATURE AND CAUSE OF THE CONFLICT

RESOURCE A: GROUPS IN FAVOUR OF FLUORIDATION

Those in favour of having fluoride in water argue that tooth decay remains a major public health concern in most developed (wealthy) countries, affecting 60–90% of school children and the vast majority of adults.

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Fluorosis of the teeth

non-fluoridated areas in the 2009 “Our Oral Health Survey” conducted by the Ministry of Health.

RESOURCE B: GROUPS OPPOSED TO FLUORIDATION

Those opposed to water fluoridation argue that it doesn't work, is not safe, and robs people of choice. One of these groups is Fluoride Free NZ, an organisation that claims fluoridation "doesn't work but it affects the whole body."

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Tooth decay trends in fluoridated and non-fluoridated countries 1970–2010

They believe this is a violation of medical ethics, as the medicine is given without consent, delivered by people without medical qualifications, without oversight and without control of the dose.



Information on the Fluoride Free NZ website urging people to consider the anti-fluoride argument

POINTS OF VIEW, VALUES AND PERSPECTIVES OF THE INDIVIDUALS/GROUPS IN THE CONFLICT

RESOURCE C: BEGINNING OF THE END FOR FLUORIDATION

Matt Rilkoff for the *Taranaki Daily News* (October 2011): The New Plymouth District Council yesterday voted to stop fluoridation in the district after more than 40 years of adding the chemical to its water to reduce dental decay.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] An overwhelming majority of the more than 400 submissions received by council on the fluoridation issue were against the practice.

SOCIAL FORCES THAT HAVE CONTRIBUTED TO THE FLUORIDATION CONFLICT AND THE EFFECT OF THE SOCIAL FORCES ON THE FLUORIDATION CONFLICT

RESOURCE D: SOCIAL FORCE – CAMPAIGNING

Fluoride Free NZ has been involved in a number of campaigns to convince local councils and the public that fluoridation of water “doesn’t work, is not safe, and it robs people of choice.”

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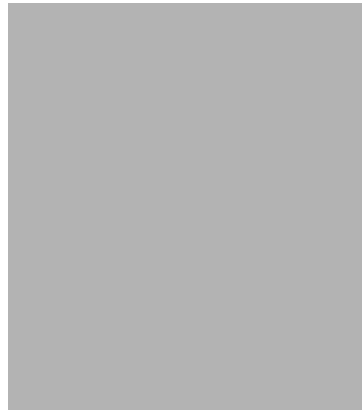
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[Redacted] They said “It is doubtful that any of those who voted to continue fluoridation realise that fluoride has no health benefits to teeth when swallowed in drinking water.”



Fluoride Free NZ campaigns in Thames (top to bottom): Facebook pages, protesting, articles in the Hauraki Herald local newspaper.

RESOURCE E: SOCIAL FORCE – SCIENTIFIC EVIDENCE

A review of the scientific evidence for and against the effectiveness and safety of fluoridation of public water supplies has found that the levels of fluoridation used in New Zealand create no health risks and provide protection against tooth decay, and are particularly beneficial to those most in need of improved oral health.

[REDACTED]

“I would imagine it was just going to be very pro-fluoridation. What is the point of reviewing what they already know and centering it on the safety of fluoridation ... it just seems like a foregone conclusion.”

RESOURCE F: SOCIAL FORCE – LEGISLATION

There is no legislation in New Zealand that requires the addition of fluoride to a water supply. Fluoridation is undertaken by drinking water suppliers at their discretion.

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Submission to government in opposition to the amendment

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Social action after the amendment announcement

The issue then is what are the alternatives, should there be a change to the current situation – these are all matters the government is currently considering.”

ACKNOWLEDGEMENTS

Introduction and Resources A and B

Text adapted from:

<http://www.health.govt.nz/our-work/preventative-health-wellness/fluoridation/water-fluoridation/fluoridation-history>

<http://www.health.govt.nz/our-work/preventative-health-wellness/fluoridation>

https://en.wikipedia.org/wiki/Water_fluoridation#cite_note-Hobson-7

<http://fluoridefree.org.nz/>

Images:

Fluoride in water good or bad: <http://1.bp.blogspot.com/-cxeYPiS94WI/UmzxafpLgUI/AAAAAAAAABkc/faCazQRqL64/s1600/Fluoride+-+Good+or+Bad%5B1%5D.jpg>

Fluorosis of the teeth: https://www.healthychildren.org/SiteCollectionImages/what_is_fluorosis.jpg

Tooth decay trends: http://www.fluoridealert.org/wp-content/uploads/who_data01.jpg

Information urging people to listen to the anti fluoride argument: <http://fluoridefree.org.nz/information/research/fluoridation-doesnt-work/>

Resource C

Text adapted from: <http://www.stuff.co.nz/taranaki-daily-news/news/5783079/Beginning-of-the-end-for-fluoridation>

Resource D

Text adapted from: <http://fluoridefree.org.nz/>

Images:

<https://web.facebook.com/groups/1554716711409032/>

<https://web.facebook.com/photo.php?fbid=10152729499021676&set=g.1554716711409032&type=1&theate>

<http://fluoridefree.org.nz/campaigns/thames/>

Resource E

Text adapted from: <http://www.royalsociety.org.nz/expert-advice/papers/yr2014/health-effects-of-water-fluoridation/#community-water-fluoridation-as-a-public-health-measure>

Map: <http://www.drinkingwater.esr.cri.nz/images/NzFluoridation.gif>

Resource F

Text adapted from: <http://fluoridefree.org.nz/fluoride-now-medicine-now-not/>

<http://www.radionz.co.nz/news/national/295351/government-considers-fluoridation-law-change>

<http://www.stuff.co.nz/national/health/9803729/Fluoridation-a-local-government-issue-court>

<http://fluoridefree.org.nz/legal-status-fluoridation-new-zealand/>

Images:

<http://www.medsafe.govt.nz/consultations/FluorideSubmissions/1-50.pdf>

<http://www.sportsground.co.nz/Article.asp?SiteID=21910&ArticleID=44381>