

CAN WE MAKE NEW ZEALAND PEST FREE? Pre and post – unit marking rubric

Year 3 and 4 Level 3 Science/Technology	0	1	2	3	4	5	Example
Question 1	No attempt at answer	Lists common birds and plants found locally.	Give one example of either endemic flora OR fauna	Gives an example of BOTH endemic flora and fauna . May have some misplaced animals	Lists uncommon endemic fauna or flora found in NZ	Give several examples of BOTH flora and fauna All endemic and across different species	“Kiwi Tūi Kaka” 2
Question 2	No attempt at answer	One word example not specifically relevant	One word example that is relevant	Elaboration on one example	Clear link to biodiversity Elaboration and comment on implementation of solution	Comprehensive course of action with a main focus or goal of improving biodiversity	“guns” 1 “traps” 2 “Traps to catch stoats” 3
Question 3	No attempt at answer	One word example not specifically relevant	One word example that is relevant	Elaboration on one example. (but different to Question 3)	Clear link to biodiversity Elaboration and comment on implementation of solution (but different to Question 3)	Comprehensive course of action with a main focus or goal of improving biodiversity (but different to Question 3)	“A fence that goes all the way around Wellington” 3
Question 4	No attempt at answer	One answer with no explanation	One answer with simple explanation	One answer with sound reasoning behind decision	Very specific answer with some attempt at facts	Very specific example with facts AND sound reasoning behind their selection	“Takahē because there is less than 300 left” 4
Question 5	No attempt at answer	One answer with no explanation	One answer with simple explanation	One answer with sound reasoning behind decision, linked to species mentioned in Question 4	Very specific answer with some attempt at facts	Very specific example with facts AND sound reasoning behind their selection	“The ship rat is the most problematic introduced predator in NZ due to its diet of bird eggs and ability to climb” 5

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Question 6	No attempt at answer	Simple one word answer	More than one way to stop the pest from Question 5	Has several answers that have a small amount of reasoning	One or more solution has sound reasoning but may be lacking specific detail	Several comprehensive suggestions that seem logical and based on fact	“Poison Trap” 2
Question 7	No attempt at answer	Names one specific pest	Gives a simple definition of a pest/predator Lists several animal introduced predators	Has extended their answer beyond single word/phrase answers. Gives a reason for the classification Has included plant examples in addition to animal	Has a definition that includes BOTH animal and plant pests Has included specific plant AND animal pest/predator examples	Gives a comprehensive definition specific to the NZ environment Has listed various introduced predators/plant pests that cover all aspects of the NZ environment	“Introduced predators/plant pests threaten New Zealand wildlife” 3 “Old man’s beard Stoat Goat Hedgehog Perch” 5
Question 8	No attempt at answer	Names one method	Names two or more methods	Gives methods AND brief definition of each	Lists several examples ranging across different technologies	Lists several examples ranging across different technologies. AND Explains purpose of each with regard to identification and tracking / data gathering	“iNaturalist Tracking Tunnels Pitfall trapping” 4