

Your task is to develop a 3–5 minute role play to explain what insulin resistance is. The play is in 2 acts.

You will find useful information to complete this task in the Student Presentation Slides: Insulin Resistance.



1 of 1



Act 1

Glucose, having been released from its bonds within starch, finds itself inside the small intestine of a human being ... wondering how it will find a muscle cell that will appreciate a burst of energy.

Glucose is sucked through the wall of the small intestine into the blood stream where it finds other molecules, including insulin ...

As it is swept along the narrow winding blood vessels, glucose finds a needy muscle cell and with the help of insulin, glucose eventually finds its way into the muscle cell to deliver its package of energy ...

Act 2

Meanwhile ... inside another human being belonging to the same family, another glucose molecule has struck trouble! Having found its way to a muscle cell, it cannot get inside to deliver its package of energy ...

Organisation of your group

Decide on the roles that you will need and assign these to people in your group. Roles could include:

Director

Pancreas

Insulin receptor

Glucose molecule Cell membrane

ceptor Glucose transporter

Narrator

Insulin molecule

WRITE AND REHEARSE YOUR PLAY READY TO PRESENT TO THE CLASS

Peer Assessment	Your play will be assessed by your peers using the following criteria				
		Always	Mostly	Sometimes	Not at all
1. Correct use of biological terminology					
2. Correct explanations provided for each step along the way					
Write a 1-2 sentence comment about how useful the play could be in helping people learn about diabetes					



COOK ISLANDS

Ministry of Education

Maraurau o te Pae Api'i

Te Maki Toto Vene (T2): E Manamanata no Toku Iti Tangata © University of Auckland, Cook Islands Ministry of Education and Cook Islands Ministry of Health 2016 This worksheet may be photocopied for use in schools

