

# Contents

<b>Acknowledgements</b>	<b>iii</b>
<b>Letter from the Minister of Education</b>	<b>iv</b>
<b>Letter from Transplant Manitoba</b>	<b>v</b>
<b>Introduction</b>	<b>1</b>
<b>Specific Learning Outcomes</b>	<b>3</b>
<b><i>Life Is a Gift</i>—Correlation to Manitoba Grade 11 Biology Curriculum</b>	<b>4</b>
<b>Unit 1: Wellness and Homeostasis</b>	
Organs and Tissues Available for Transplant Lesson Plan	11
Who Donates Organs and Tissues for Transplant? Anticipation Guide (BLM 1.1)	13
Organs and Tissues Available for Transplant (BLM 1.2)	15
Organs and Tissues Available for Transplant (Answer Key)	17
<b>Unit 2: Digestion and Nutrition</b>	
Liver Transplant Lesson Plan	19
Liver Transplant: Prereading Questions (BLM 2.1)	21
Liver Transplant: Prereading Questions (Answer Key)	23
WANTED: Liver: Case Study of the Necessity for Liver Allocation (BLM 2.2)	25
Liver Transplant: Post-reading Analysis (BLM 2.3)	27
Liver Transplant: Post-reading Analysis (Answer Key)	29
<b>Unit 3: Transportation and Respiration</b>	
Giving the Breath of Life Lesson Plan	31
Breath of Life: Student Reflections (BLM 3.1)	33

Giving the Breath of Life (BLM 3.2)	34
Blood Typing Cards (BLM 3.3)	39
HLA Antigen Markers (BLM 3.4)	40
Operation Heart Transplant Lesson Plan	41
Operation Heart Transplant Crossword (BLM 3.5)	42
<b>Unit 4: Excretion and Waste Management</b>	
The Kidney Dilemma Lesson Plan	45
The Kidney Dilemma: Think-Pair-Share (BLM 4.1)	47
The Kidney Dilemma: Think-Pair-Share (Answer Key)	48
The Kidney Dilemma: Donation Debate Organizer (BLM 4.2)	49
Name Tags and Group Roles (BLM 4.3)	50
<b>Unit 5: Protection and Control</b>	
Organ Transplant Rejection Lesson Plan	51
Leukocyte (BLM 5.1)	54
Antigen Templates (BLM 5.2)	55
Antibody Templates (BLM 5.3)	56
Organ and Tissue Rejection: Student Analysis/Discussion (BLM 5.4)	57
<b>Unit 6: Wellness and Homeostatic Changes</b>	
Organ Donation in Relation to Society Lesson Plan	59
Information Organizer: Xenotransplants (BLM 6.1A)	64
Information Organizer: Religious and Aboriginal Views on Organ Transplantation (BLM 6.1B)	65
Information Organizer: The Donation Process (BLM 6.1C)	67
Information Organizer: Living Donations (BLM 6.1D)	68
Information Organizer: Preparing to Become a Living Donor (BLM 6.1E)	69
Information Organizer: Preparing to Receive an Organ Transplant (BLM 6.1F)	70
Information Organizer: Deciding to Become an Organ Donor (BLM 6.1G)	71
Concluding Summary (BLM 6.2)	72
Organ Donation Campaigns in the Media (BLM 6.3)	73
<b>Bibliography</b>	<b>75</b>