Causal Patterns in Ecosystems Rubric:
Score Summary Sheet

Name _____ **Date_____**

Question #1a: Draw and explain a food web.		
Causal Understanding: Passive Causality	**Pretest**	**Post-test**
Level		
Causal Understanding: Obvious and Non-Obvious Causes		
Level		
Notes:		

Question #1b: Are green plants important to other things?		
Causal Understanding: Domino Causality; Indirect Causality	**Pretest**	**Post-test**
Level		
Notes:		

Question #1c: Are owls important to mice and vice versa?		
Causal Understanding: Mutual Causality, Population Reasoning	**Pretest**	**Post-test**
Level		
Notes:		

Question #2: What happens to a tree in the forest when it dies?		
Causal Understanding: Predicted Change	**Pretest**	**Post-test**
Level		
Causal Understanding: Cyclic Causality		
Level		
Notes:		

Question #3: What causes this to happen?		
Causal Understanding: Existence of Causal Mechanism	**Pretest**	**Post-test**
Level		
Causal Understanding: Obvious and Non-Obvious Causes		
Level		
Causal Understanding: Characterization of Causal Mechanism		
Level		
Notes:		

Question #4: Is what happens to the tree important?		
Causal Understanding: Cyclic Causality	**Pretest**	**Post-test**
Level		
Causal Understanding: Conservation of Matter; Cyclic Causality		
Level		
Notes:		

Question #5a: What is balance in an ecosystem?		
Causal Understanding: Mutual Causality, Population Reasoning; Cyclic Causality	**Pretest**	**Post-test**
Level		
Notes:		

Question #5b: Is it good for ecosystems to be in balance?		
Causal Understanding: Mutual Causality, Population Reasoning; Cyclic Causality	**Pretest**	**Post-test**
Level		
Notes:		

Total Scores:		
	Pretest	**Post-test**
Level		
Notes:		