

Appendix A:

Alignment of Catalyst Learning Curricula Case Studies with AP Biology College Board Required Standards for Big Idea 1

Big Ideas	Essential Knowledge	Learning Objectives	CLC Case Studies						
			Diabetes Case Study activity that incorporates this standard	AIDS	Cancer	Hemoglobin	Depression/Addiction	Sonoran Desert	Ants
1	1.A.1.a.		12, 16, 17	X	X	X	X	X	X
1	1.A.1.b.			X	X	X	X	X	X
1	1.A.1.c.		12, 17	X	X	X	X	X	X
1	1.A.1.d.			X	X	X	X	X	X
1	1.A.1.e.			X	X	X	X	X	X
1	1.A.1.f.		12, 17	X	X	X	X	X	X
1	1.A.1.g.			X	X	X	X	X	X
1	1.A.1.h.					X			
		LO 1.1				X			
		LO 1.2	17			X		X	X
		LO 1.32		X		X		X	X
1	1.A.2.a.		16, 17	X		X		X	X
1	1.A.2.b.		12, 16, 17	X	X	X		X	X
1	1.A.2.c.		12, 16, 17	X		X		X	X
1	1.A.2.d.			X				X	X
		LO 1.4		X		X			
		LO 1.5	12, 16, 17	X		X		X	X
1	1.A.3.a.							X	X
1	1.A.3.b.		17			X		X	X
		LO 1.6				X			
		LO 1.7				X			
		LO 1.8				X			
1	1.A.4.a.			X					
1	1.A.4.b.1.							X	
1	1.A.4.b.2.		3, 4, 5, 9	X				X	
1	1.A.4.b.3.		2, 3, 4, 5, 17	X	X	X			X
1	1.A.4.b.4.					X		X	
		LO 1.9	3, 4, 5, 9, 17	X		X		X	X
		LO 1.10	3, 4, 9	X		X		X	X
		LO 1.11		X		X		X	X
		LO 1.12	2, 3, 4, 5, 9, 17		X	X	X	X	X
		LO 1.13	3, 4, 9	X	X	X	X	X	X
1	1.B.1.a.1.		17	X	X	X			
1	1.B.1.a.2.		14	X	X	X		X	
1	1.B.1.a.3.		3, 4, 11, 21			X	X		
1	1.B.1.b.		3, 4, 5, 9, 11, 21		X	X	X	X	X
		LO 1.14			X	X	X	X	X

		LO 1.15	3, 4, 5, 9, 11, 21		X	X	X	X	X
		LO 1.16	3, 4, 5, 9, 11, 17, 21	X	X	X	X	X	X
1	1.B.2.a.					X		X	X
1	1.B.2.b.					X		X	X
1	1.B.2.c.		3			X		X	X
1	1.B.2.d.					X		X	X
		LO 1.17				X		X	X
		LO 1.18				X		X	X
		LO 1.19				X		X	X
1	1.C.a.							X	
1	1.C.b.							X	
		LO 1.20						X	
		LO 1.21						X	
1	1.C.2.a.							X	X
1	1.C.2.b.							X	X
		LO 1.22						X	X
		LO 1.23						X	X
		LO 1.24						X	X
1	1.C.3.a.			X	X	X		X	X
1	1.C.3.b.			X	X	X		X	X
		LO 1.25		X	X	X		X	X
		LO 1.26		X	X	X		X	X
1	1.D.1.a.1.								
1	1.D.1.a.2.								
1	1.D.1.a.3.		17						
		LO 1.27							
		LO 1.28							
		LO 1.29							
		LO 1.30							
		LO 1.31							
1	1.D.1.a.4.								
1	1.D.1.a.5.								
1	1.D.2.a.1.								
1	1.D.2.a.2.								
1	1.D.2.b.1.			X	X	X		X	X
1	1.D.2.b.2.			X					
		LO 1.32						X	

Appendix B: Alignment of Catalyst Learning Curricula Case Studies with AP Biology College Board Required Standards for Big Idea 2

Big Ideas	Essential Knowledge	Learning Objectives	CLC Case Studies						
			Diabetes Case Study activity that incorporates this standard	AIDS	Cancer	Hemoglobin	Depression/Addiction	Sonoran Desert	Ants
2	2.A.1 a.1.		2, 3, 4, 11, 18, 21			X		X	X
2	2.A.1 a.2.		11, 12, 18, 21		X	X		X	X
2	2.A.1 a.3.		3, 4, 11, 12, 18, 21		X	X		X	X
2	2.A.1 b.1.		3, 4, 11			X		X	
2	2.A.1 b.2.		3, 4, 11			X		X	
2	2.A.1 b.3.		3, 4, 11			X			
2	2.A.1 c.		3, 4, 21			X			
2	2.A.1 d.1.		11, 21					X	X
2	2.A.1 d.2.							X	X
2	2.A.1 d.3.		1, 22, 17					X	
2	2.A.1 d.4.		1, 3, 4, 22					X	X
2	2.A.1 d.5.		1, 11, 21, 22					X	X
2	2.A.1 e.							X	X
2	2.A.1 f.		3, 4					X	X
2		LO 2.1	3					X	X
2		LO 2.2	3, 11, 21			X		X	X
2		LO 2.3	11, 21			X		X	X
2	2.A.2.a.1.		3					X	X
2	2.A.2.a.2.		3						
2	2.A.2.b.1.		4,11						X
2	2.A.2.b.2.					X			
2	2.A.2.c.		3, 4			X			
2	2.A.2 d.1.		3						
2	2.A.2 d.2.		3						
2	2.A.2 d.3.		3						
2	2.A.2 d.4.		3						
2	2.A.2 d.5.		3						
2	2.A.2.e.								
2	2.A.2 f.1.		4			X			
2	2.A.2 f.2.		4			X			
2	2.A.2 f.3.		4			X			
2	2.A.2 f.4.		4			X			
2	2.A.2 g.1.		3, 4			X			
2	2.A.2 g.2.		3, 4			X			
2	2.A.2 g.3.		3, 4			X			
2	2.A.2 g.4.		4			X			
2	2.A.2 g.5.							X	
2	2.A.2.h.		4			X			

2		LO 2.4	3, 4		X				
2		LO 2.5	3, 4		X				
2	2.A.3.a.1.		2, 3, 4, 11		X	X	X	X	
2	2.A.3.a.2.								X
2	2.A.3.a.3.		6, 9				X		
2	2.A.3.b.1.		5, 6, 7, 8, 9, 18		X		X		
2	2.A.3.b.2.		5, 6, 7, 8, 9, 18		X				
2		LO 2.6					X		
2		LO 2.7	5, 6, 7, 8, 9						
2		LO 2.8	5, 6, 7, 8, 9		X		X	X	
2		LO 2.9	7, 8, 9, 11		X		X	X	
2	2.B.1.a.		5, 6, 7, 8, 9, 11, 21		X		X		
2	2.B.1.b.1.		5, 6, 7, 8, 9, 11, 21	X	X	X	X		
2	2.B.1.b.2.		5, 9				X	X	
2	2.B.1.b.3.		11, 21	X	X	X			
2	2.B.1.b.4.		5, 6, 7, 8, 9, 11, 21				X	X	
2	2.B.1.c.1							X	
2	2.B.1.c.2								X
2		LO 2.10	5, 6, 7, 8, 9, 11, 21		X	X	X		
2		LO 2.11	5, 6, 7, 8, 9, 11, 21		X	X	X		
2	2.B.2.a.1.		5, 6, 7, 8, 9, 11, 18, 21		X	X	X		
2	2.B.2.a.2.		5, 9, 11, 21				X	X	
2	2.B.2.a.3.		5, 6, 7, 8, 9, 11, 18, 21		X	X	X		
2	2.B.2.b.1.		5, 9, 11, 21						
2	2.B.2.b.2.		5, 9, 15, 21						
2	2.B.2.c.1		5, 11, 15, 21	X			X		
2	2.B.2.c.2		5, 11, 21	X			X		
2		LO 2.12	5, 6, 7, 8, 9, 11, 21		X	X	X		
2	2.B.3.a.		3, 4, 11, 15, 21		X	X	X	X	
2	2.B.3.b.		3, 4, 11, 15, 21		X	X	X		
2	2.B.3.c.		3					X	
2		LO 2.13	3, 4, 11, 15, 21		X		X	X	
2		LO 2.14						X	
2	2.C.1.a.		9, 10, 11, 12, 18, 21		X	X	X	X	X
2	2.C.1.b.		11, 21	X	X	X	X	X	X
2	2.C.1.c.		9, 10, 11, 12, 17, 21		X	X	X	X	
2		LO 2.15	9, 10, 11, 12, 18, 21		X	X	X	X	X
2		LO 2.16	10, 11, 12, 18, 21		X	X	X	X	X
2		LO 2.17	10, 11, 12, 21			X	X	X	X
2		LO 2.18	10, 11, 12, 21		X	X	X	X	X
2		LO 2.19	11, 21	X		X	X	X	X
2		LO 2.20	11, 21	X		X	X	X	X
2	2.C.2.a.		5, 9, 10, 11, 12, 16, 17, 21	X	X	X	X	X	X
2		LO 2.21	16, 17, 21	X	X	X	X	X	X
2	2.D.1.a.		5, 10, 11, 12, 16, 17, 18, 21, 22	X	X	X	X	X	X
2	2.D.1.b.		10, 11, 12, 16, 17, 18, 21	X	X	X	X	X	X
2	2.D.1.c.		16, 17	X		X		X	X
2		LO 2.22	10, 11, 16, 17, 18, 21	X		X	X	X	X
2		LO 2.23	1, 16, 22	X		X	X	X	X
2		LO 2.24	11, 16, 17, 21, 22	X		X	X	X	X
2	2.D.2.a.		3, 5, 9, 11, 21	X		X	X	X	X
2	2.D.2.b.		5, 9, 10, 11, 12, 21			X		X	X
2	2.D.2.c.		9, 11, 21	X		X	X	X	X
2		LO 2.25	9, 11, 12, 16, 17			X		X	X

2		LO 2.26		X		X		X	X
2		LO 2.27	9, 11, 16, 17, 21			X		X	X
2	2.D.3.a.		9, 10, 11, 12, 17, 18, 21	X	X	X	X	X	X
2	2.D.3.b.		16, 17		X			X	X
		LO 2.28	9, 10, 11, 12, 16, 17, 21	X					
2	2.D.4.a			X					
2	2.D.4.b.1.			X					
2	2.D.4.b.2.			X					
2	2.D.4.b.3.			X					
2	2.D.4.b.4.			X					
2	2.D.4.b.5.			X					
2	2.D.4.b.6.			X					
2		LO 2.29		X					
2		LO 2.30		X					
2	2.E.1.a.		9, 11, 21	X	X		X		X
2	2.E.1.b.1.				X				X
2	2.E.1.b.2.				X				X
2	2.E.1.b.3.							X	
2	2.E.1.b.4.				X				
2	2.E.1.b.5.				X				
2	2.E.1.b.6.		11, 21		X				
2	2.E.1.c.		11	X	X			X	X
2		LO 2.31			X				
2		LO 2.32			X				X
2		LO 2.33	21		X				X
2		LO 2.34	11	X	X				X
2	2.E.2.a.1.							X	
2	2.E.2.a.2.							X	
2	2.E.2.b.		10, 11, 12, 21	X	X	X	X		X
2	2.E.2.c.								
2		LO 2.35						X	X
2		LO 2.36	10, 11, 21	X				X	X
2		LO 2.37	10, 11, 12, 16, 17, 21	X				X	X
2	2.E.3.a.1.				X		X		X
2	2.E.3.a.2.		12, 16, 17	X	X		X		X
2	2.E.3.b.1.							X	
2	2.E.3.b.2.							X	
2	2.E.3.b.3.		1, 12, 16, 17, 22	X			X		X
2	2.E.3.b.4.		12, 16, 17	X		X	X		X
2		LO 2.38	1, 12, 16, 17, 22	X				X	X
2		LO 2.39	1, 12, 16, 17, 22	X				X	X
2		LO 2.40	1, 12, 16, 17, 22	X				X	X

Appendix C: Alignment of Catalyst Learning Curricula Case Studies with AP Biology College Board Required Standards for Big Idea 3

Big Ideas	Essential Knowledge	Learning Objectives	CLC Case Studies						
			Diabetes Case Study activity that incorporates this standard	AIDS	Cancer	Hemoglobin	Depression/Addiction	Sonoran Desert	Ants
3	3.A.1.a.1.		12, 17	X	X	X	X	X	X
3	3.A.1.a.2.							X	X
3	3.A.1.a.3.		14						
3	3.A.1.a.4.i.								
3	3.A.1.a.4.ii.								
3	3.A.1.a.4.iii.								
3	3.A.1.a.5.i.								
3	3.A.1.a.5.ii.								
3	3.A.1.a.6.			X					
3	3.A.1.b.1.		14		X				
3	3.A.1.b.2.i.				X				
3	3.A.1.b.2.ii.		14, 15		X				
3	3.A.1.b.2.iii.		14, 15		X				
3	3.A.1.b.3.i.		14, 15		X				
3	3.A.1.b.3.ii.		14, 15		X				
3	3.A.1.b.4.i.		14, 15		X				
3	3.A.1.b.4.ii.		14, 15		X				
3	3.A.1.b.4.iii.		14, 15		X				
3	3.A.1.b.4.iv.				X				
3	3.A.1.c.1.		13, 14, 15		X	X			
3	3.A.1.c.2.		15		X	X			
3	3.A.1.c.3.		14, 15		X	X			
3	3.A.1.c.4.i.		15		X	X			
3	3.A.1.c.4.ii.		15		X	X			
3	3.A.1.c.4.iii.		15		X	X			
3	3.A.1.c.4.iv.		15		X	X			
3	3.A.1.c.4.v.		15	X	X	X			
3	3.A.1.c.4.vi.		15		X	X			
3	3.A.1.c.4.vii.		15	X	X	X			
3	3.A.1.d.		12, 15, 17	X	X	X	X	X	X
3	3.A.1.e.		13, 14, 15					X	X
3	3.A.1.f.		14					X	
3		LO 3.1	14, 15	X	X	X	X	X	X
3		LO 3.2			X	X	X	X	X
3		LO 3.3	14, 15	X	X	X			
3		LO 3.4	13, 14, 15	X	X	X			
3		LO 3.5	13, 14, 15		X	X			
3		LO 3.6	13, 14, 15	X	X	X			

3	3.A.2.a.1.									X										
3	3.A.2.a.2.		11							X										
3	3.A.2.a.3.		11							X										
3	3.A.2.a.4.									X										
3	3.A.2.a.5.									X										
3	3.A.2.b.1.									X										
3	3.A.2.b.2.									X										
3	3.A.2.b.3.		11							X										
3	3.A.2.b.4.									X										
3	3.A.2.c.1.									X										
3	3.A.2.c.2.									X		X								
3	3.A.2.c.3.									X		X								
3	3.A.2.c.4.									X										
3	3.A.2.c.5.									X										X
3		LO 3.7								X										
3		LO 3.8								X										
3		LO 3.9								X										
3		LO 3.10								X										
3		LO 3.11								X										
3	3.A.3.a.								X	X	X	X	X	X	X	X				
3	3.A.3.b.1.								X	X										
3	3.A.3.b.2.									X										
3	3.A.3.b.3.								X	X					X					X
3	3.A.3.c.									X		X								
3	3.A.3.d.											X								
3		LO 3.12									X									
3		LO 3.13									X									
3		LO 3.14							X	X	X									
3	3.A.4.a.1.		12, 17							X	X									X
3	3.A.4.b.									X										X
3		LO 3.15	12, 17							X	X									X
3		LO 3.16	12, 17							X	X									X
3		LO 3.17	12, 17							X	X									X
3	3.A.4.c.1.									X	X									
3	3.A.4.c.2.									X										X
3	3.B.1.a.1.		15						X	X	X									
3	3.B.1.a.2.									X										
3	3.B.1.b.1.									X										
3	3.B.1.b.2.									X										
3	3.B.1.b.3.									X										
3	3.B.1.b.4.									X										
3	3.B.1.b.5.									X										
3	3.B.1.b.6.									X		X								
3	3.B.1.c.1.		11, 15, 17, 21						X	X										
3	3.B.1.c.2.		11, 17, 21						X	X										
3	3.B.1.c.3.		15, 17, 21							X	X									
3	3.B.1.d.		12, 15, 16, 17, 21							X	X	X	X	X	X	X				X
3		LO 3.18	11, 15, 21																	X
3		LO 3.19	11, 15, 17, 21							X	X	X								
3		LO 3.20	11, 15, 17, 21						X	X	X	X								X
3		LO 3.21	11, 15, 17, 21						X	X	X									X
3	3.B.2.a.		11, 12, 17, 21						X	X	X									X
3	3.B.2.b.		11, 12, 17, 21						X	X		X	X	X	X					X
3		LO 3.22	11, 21						X	X	X	X	X	X	X					X

3		LO 3.23	11, 17, 21	X	X	X			X
3	3.C.1.a.1.		12, 15	X	X	X	X		
3	3.C.1.b.1.			X	X	X		X	X
3	3.C.1.c.1.				X			X	X
3	3.C.1.c.2.				X				
3	3.C.1.d.1.		12, 17	X	X	X			X
3		LO 3.24	17	X	X	X	X	X	X
3		LO 3.25		X	X	X			
3		LO 3.26	17	X	X	X	X	X	X
3	3.C.2.a.				X	X			
3	3.C.2.b.			X	X				
3	3.C.2.c.				X	X		X	X
3		LO 3.27			X				
3		LO 3.28		X	X	X	X	X	X
3	3.C.3.a.1.			X					
3	3.C.3.a.2.			X					
3	3.C.3.a.3.			X					
3	3.C.3.a.4.			X					
3	3.C.3.a.5.			X					
3	3.C.3.a.6.			X					
3	3.C.3.b.1.			X					
3	3.C.3.b.2.			X					
3		LO 3.29		X					
3		LO 3.30		X					
3	3.D.1.a.		11, 21				X		
3	3.D.1.b.		11, 21	X	X		X		X
3	3.D.1.c.								
3	3.D.1.d.		11, 21	X	X	X	X	X	X
3		LO 3.31	11, 21	X	X	X	X	X	X
3		LO 3.32		X	X	X	X		X
3		LO 3.33	11, 21	X	X	X	X		X
3	3.D.2.a.			X				X	
3	3.D.2.b.			X	X	X	X	X	X
3	3.D.2.c.1.		10, 11, 21		X	X	X	X	X
3		LO 3.34	11, 21	X	X	X	X	X	X
3		LO 3.35	11, 21	X	X	X	X	X	X
3	3.D.3.a.1.		11, 21	X	X	X	X		X
3	3.D.3.a.2.		11, 21	X	X	X	X		X
3	3.D.3.b.1.		11, 21	X	X	X	X		X
3	3.D.3.b.2.		11, 21	X			X		
3	3.D.3.b.3.i.		11, 21				X		X
3	3.D.3.b.3.ii.		11, 21	X					
3		LO 3.36	11, 21	X	X	X	X		X
3	3.D.4.a.		10,11, 12, 17, 21	X	X	X	X	X	X
3		LO 3.37	11, 12, 21	X	X	X	X		X
3		LO 3.38	11, 21	X	X	X	X		X
3		LO 3.39	10, 11, 21	X	X	X	X		X
3	3.E.1.a.		12	X	X	X	X	X	X
3	3.E.1.b.1.		16				X	X	X
3	3.E.1.b.2.		12	X				X	X
3	3.E.1.c.1.		17				X	X	X
3	3.E.1.c.2.		17	X				X	X
3		LO 3.40	12				X	X	X
3		LO 3.41		X			X	X	X

3		LO 3.42	16	X	X	X
3	3.E.2.a.1.			X		
3	3.E.2.a.2.			X		
3	3.E.2.a.3.			X		
3	3.E.2.b.1.			X		
3	3.E.2.b.2.			X		
3	3.E.2.b.3.			X		
3	3.E.2.c.1.			X		
3	3.E.2.c.2.			X		
3	3.E.2.c.3.			X		
3	3.E.2.d.			X		
3		LO 3.43		X		
3		LO 3.44		X		
3		LO 3.45		X		
3		LO 3.46		X		
3		LO 3.47		X		
3		LO 3.48		X		
3		LO 3.49		X		
3		LO 3.50		X		

Appendix D: Alignment of Catalyst Learning Curricula Case Studies with AP Biology College Board Required Standards for Big Idea 4

			CLC Case Studies						
Big Ideas	Essential Knowledge	Learning Objectives	Diabetes Case Study activity that incorporates this standard	AIDS	Cancer	Hemoglobin	Depression/Addiction	Sonoran Desert	Ants
4	4.A.1.a.1.				X				
4	4.A.1.a.2.		13, 15			X			
4	4.A.1.a.3.						X		
4	4.A.1.a.4.		2					X	
4	4.A.1.b.1.				X	X			
4	4.A.1.b.2.		13	X		X			
4	4.A.1.b.3.		2					X	
4		LO 4.1	2, 13		X	X	X		
4		LO 4.2	2, 13		X	X	X	X	
4		LO 4.3	2, 13		X	X	X		
4	4.A.2.a.		15		X	X			
4	4.A.2.b.1.		15	X					
4	4.A.2.b.2.						X		
4	4.A.2.c.1.		15	X			X		
4	4.A.2.d.1.		4			X			
4	4.A.2.d.2.		4			X			
4	4.A.2.d.3.		4			X			
4	4.A.2.e.						X		X
4	4.A.2.f.							X	
4	4.A.2.g.1.		3						
4	4.A.2.g.2.		3						
4	4.A.2.g.3.		3						
4		LO 4.4	15	X	X	X	X	X	X
4		LO 4.5	3, 4, 15		X	X	X	X	X
4		LO 4.6	3, 4, 15		X	X	X	X	X
4	4.A.3.a.				X		X	X	X
4	4.A.3.b.		9, 11, 21		X		X	X	X
4	4.A.3.c.		11, 21		X		X	X	X
4		LO 4.7	11, 21		X			X	X
4	4.A.4.a.		1, 9, 10, 11, 12, 21, 22			X	X	X	
4	4.A.4.b.		1, 9, 10, 11, 12, 21, 22			X	X	X	X
4		LO 4.8	1, 9, 10, 11, 12, 21, 22		X	X	X	X	X
4		LO 4.9	1, 9, 10, 11, 12, 21, 22	X	X	X	X	X	
4		LO 4.10	9, 10, 11, 21		X	X	X	X	X
4	4.A.5.a.							X	X
4	4.A.5.b.							X	X
4	4.A.5.c.1.			X				X	X
4	4.A.5.c.2.							X	X

4	4.A.5.c.3.								X	X
4	4.A.5.c.4.								X	
4		LO 4.11							X	X
4		LO 4.12							X	X
4		LO 4.13							X	X
4	4.A.6.a.		1, 3, 4, 22				X		X	X
4	4.A.6.b.								X	X
4	4.A.6.c.								X	X
4	4.A.6.d.		2, 3, 4						X	X
4	4.A.6.e.1.								X	X
4	4.A.6.e.2.								X	X
4	4.A.6.f.1.								X	X
4	4.A.6.f.2.		16, 17						X	X
4	4.A.6.g.								X	X
4		LO 4.14	1, 22						X	X
4		LO 4.15							X	X
4		LO 4.16	16, 17						X	X
4	4.B.1.a.		5, 11, 13, 15, 21				X	X	X	
4	4.B.1.b.1.					X		X		
4	4.B.1.b.2.							X		
4	4.B.1.c.					X		X		
4	4.B.1.d.							X		
4		LO 4.17	13, 15, 21					X		
4	4.B.2.a.1.		3, 4, 5, 9, 11, 15, 21			X	X	X	X	X
4	4.B.2.a.2.		9					X	X	
4	4.B.2.a.3.									
4		LO 4.18	3, 4, 5, 9, 15			X		X		X
4	4.B.3.a.1.		16, 17						X	X
4	4.B.3.a.2.					X			X	X
4	4.B.3.a.3.								X	X
4	4.B.3.b.		16, 17						X	X
4	4.B.3.c.		17						X	X
4		LO 4.19							X	X
4	4.B.4.a.								X	X
4	4.B.4.b.								X	X
4		LO 4.10							X	X
4		LO 4.21							X	X
4	4.C.1.a.		2			X	X	X	X	X
4	4.C.1.b.1.							X		
4	4.C.1.b.2.						X			
4		LO 4.22	2			X	X	X	X	X
4	4.C.2.a.		10, 12, 16, 17			X	X	X	X	X
4	4.C.2.b.							X		X
4		LO 4.23	12, 16, 17				X	X	X	X
4		LO 4.24	10, 12, 16, 17				X	X	X	X
4	4.C.3.a.		17			X		X	X	X
4	4.C.3.b.		17			X	X		X	X
4	4.C.3.c.							X	X	X
4		LO 4.25	17				X	X	X	X
4		LO 4.26	17			X	X	X	X	X
4	4.C.4.a.								X	X
4	4.C.4.b.								X	X
4		LO 4.27							X	X

Appendix E:

Alignment of Catalyst Learning Curricula Diabetes Case Study with AP Biology College Board Required Science Practices

Science Practice	Diabetes Case Study activity that incorporates this science practice
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1.1	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 21
1.2	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15
1.3	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 21
1.4	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 17, 21
1.5	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 21
2.1	1, 7, 8, 13, 22
2.2	1, 7, 8, 13, 22
2.3	1, 7, 8, 13, 22
3.1	6, 7, 22
3.2	6, 7, 22
3.3	6, 7, 17, 19, 22
4.1	6, 7, 16, 22
4.2	6, 7, 16, 22
4.3	1, 6, 7, 12, 13, 14, 16, 22
4.4	6, 7, 12, 14, 16, 22
5.1	7, 8, 10, 13, 14, 22
5.2	7, 8, 10, 13, 14, 22
5.3	7, 8, 10, 13, 14, 22
6.1	3, 4, 8, 10, 11, 12, 13, 14, 16, 17, 19, 21, 22
6.2	3, 4, 8, 10, 11, 12, 13, 14, 16, 17, 19, 21, 22
6.3	3, 4, 8, 10, 11, 12, 13, 14, 16, 17, 19, 21, 22
6.4	3, 4, 8, 10, 11, 12, 13, 14, 16, 17, 19, 21, 22
6.5	3, 4, 8, 10, 11, 12, 13, 14, 16, 17, 19, 21, 22
7.1	3, 4, 5, 9, 10, 11, 13, 14, 15, 16, 17, 18, 20, 21, 22
7.2	3, 4, 5, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22