C-K Map Components	0	1	2	3
Unexpected Biological Property	Missing/ Undefined	Information is unclear, or not related to C1.	Information is moderately defined and is partially related to C1.	Information is well defined and clearly related to C1.
Existing Solution	Missing/ Undefined	Information is unclear, or not related to C1.	Information is moderately defined and is partially related to C1.	Information is well defined and clearly related to C1.
Biology Knowledge	Missing/ Undefined	Information is unclear, or not related to how C1 is achieved.	Information partially explains how C1 is achieved. Physical or non-physical attributes explored.	Information thoroughly explains how C1 is achieved. Physical and non-physical attributes explored.
Traditional Knowledge	Missing/ Undefined	Information is unclear, or not connected to the biology knowledge.	Information partially connected to the biology knowledge.	Information thoroughly connected to the biology knowledge.
Reframe	Missing/ Undefined	Opposing language is not used. Descriptions closely match knowledge space information.	Opposing language is used but the two phrases are not opposites.	Opposing language is used and the two phrases are opposites.
Defined Rough Ideas	Missing/ No rough ideas	Some rough ideas connected to C1 and Knowledge space. Transition from knowledge space to concept space limited.	Most rough ideas connected to C1 and Knowledge space. Transition from knowledge space to concept space evident.	All rough ideas connected to C1 and Knowledge space. Transition from knowledge space to concept space strong.
Transition from Rough Idea to Sketch	Missing/ No sketches	No logical connection between C2 and C3.	Connection between C2 and C3 is logical but lacks clarity of implementation.	Connection between C2 and C3 is logical and easily envisioned implementation.
Defined Design Path	Missing/ Undefined	Convention not followed.	Defined for some levels of concept space, but not all.	Defined for all levels of concept space.
Defined Sketches	Missing/ No sketches or information provided	Information provided instead of sketches.	Some sketches of rough ideas are provided.	Sketches of rough ideas are provided.