

Table 1. Summary of cmap based intelligent knowledge assessment system (IKAS) developed at Riga Technical University, Latvia (table modified from Anohina-Naumeca and Graudina 2012)

Difficulty (simplest to most difficult)	General Task		Cmap Structure		Concepts		Linking Phrases		
	Fill in the Blank	Make a Cmap	Given	Student Driven	Some concepts in structure	Parking lot	Not Use d	Already in Structure	Parking Lot
1 st	X		X		X	X		X	
2 nd	X		X			X		X	
3 rd	X		X			X	X		
4 th	X		X			X			X
5 th		X		X		X	X		
6 th		X		X		X			X