

Instructor Generated Propositions

Number	Qualitatively Similar Propositions (Concept <u>linking words</u> Concept)	Tally	Percentage
1	Plants <u>metabolize via</u> Photosynthesis		
2	Plants <u>consume</u> Carbon Dioxide		
3	Photosynthesis <u>utilizes</u> Carbon Dioxide		
4	Photosynthesis <u>synthesizes</u> Carbohydrates		
5	Animals <u>consume</u> Plants		
6	Animals <u>exhale</u> Carbon Dioxide		
7	Animals <u>metabolize via</u> Respiration		
8	Respiration <u>produces</u> Carbon Dioxide		
9	Respiration <u>catabolizes</u> Carbohydrates		

Cathcart, L. A. (2011, June). Using Knowledge Space Theory to Analyze Concept Maps. Presentation at the American Society for Microbiology Conference for Undergraduate Educators; Baltimore, MD.