

# Supplemental Material

*CBE—Life Sciences Education*

**Bissonnette et al.**

**Table S1 Examples of included and excluded terms for coding deep feature card group names**

<b>Pathways and Transformation of Energy and Matter</b>		<b>Storage and Passage of Information About How to Build Living Systems</b>		<b>Relationships Between Structure and Function</b>		<b>Evolution by Natural Selection</b>	
<b>Included Terms</b>	<b>Excluded Terms</b>	<b>Included Terms</b>	<b>Excluded Terms</b>	<b>Included Terms</b>	<b>Excluded Terms</b>	<b>Included Terms</b>	<b>Excluded Terms</b>
Any title that has the term "energy," Metabolism, Nutrient production and use, Cellular respiration	ATP, Photosynthesis, Glycolysis, Cellular consumption	DNA: the genetic blueprint for organisms, DNA/traits, Inheritance, Genetics, Cell division/ phenotypes as a result, Passing genes to offspring	DNA and ATP, DNA sequences, Reproduction, Genetic makeup, Genetic variability, Offspring	Structure and Function, Parts and function, Biomechanics, Functional Morphology, Cellular organization and function, Cell structure purpose, Characteristics and mechanisms	Morphology, Tissues, Structure, Function	Any title that has the word "Evolution," Natural selection, Survival of the fittest, Adaptation, Selective pressures	Introduction of new species, Difference in organisms over time, Resistance, Darwinism

Note: Many of the "Excluded Terms" were excluded because they mimicked the exact language from the cards.