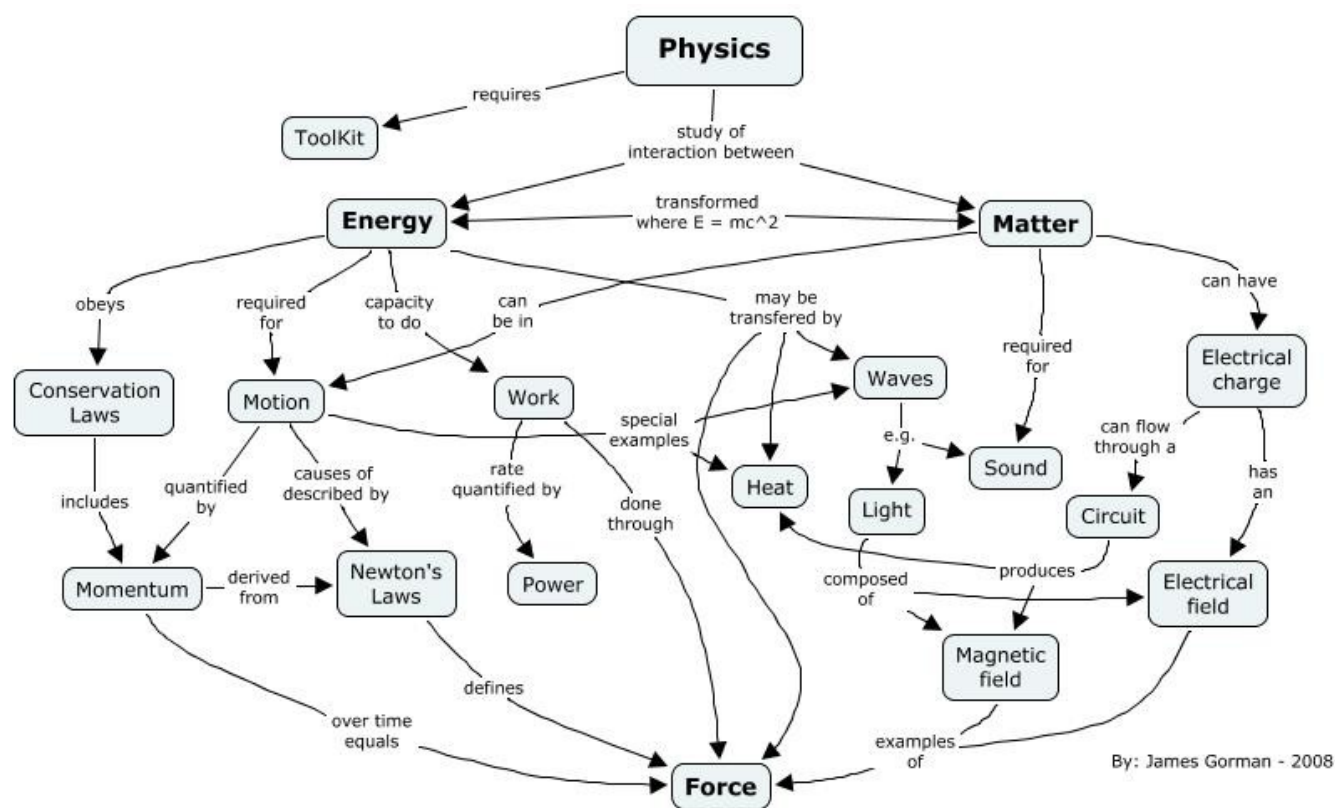


Concept Mapping Your Interest

Physics is the study of the relationship between energy and matter. As you have gleaned from your study of chemistry, energy and matter are the foundation of experience in the world. Therefore, studying physics will enhance your understanding of everything in the universe. This is a broad statement but very true. I've included an overview concept map of the overarching concepts that we will study this year in physics. Your first assignment is create a concept map of what deeply interests you. This concept map will be referenced many times this year as you will link pertinent physics concepts back to it thereby, enriching your understanding of what inspires you.

A template concept map has been created for you. It can be found in the **Cmapping your hobby** under the **Unit Resources** folder within the main physics folder. You must copy this file to your personal knowledge model. Then you may open it and begin concept mapping your interest. Be sure to review the concept mapping rubric as your final map will graded utilizing this instrument.



Concept Map Rubric

	Highly Competent	Competent	Acceptable	Needs Improvement	Unsatisfactory
Propositions	Complete, meaningful and valid	Most are meaningful and valid	Some are meaningful and valid	Incomplete, few are meaningful	Missing or not meaningful
Hierarchy	Superordinate and subordinate are present and valid	Most but not all are present and valid	Some are present and valid	Few are present and/or valid. Several subordinates are missing	Hierarchy is missing or invalid.
Branches	All are appropriate, meaningful, and valid	Most are appropriate, meaningful, and valid	Some are appropriate, meaningful, and valid	Few are appropriate, meaningful, and valid	Missing, incomplete, or invalid.
Cross-links	All are valid and nontrivial. Strong evidence of higher level thinking.	Most are valid and nontrivial. Substantial evidence of higher level thinking.	Some are valid and nontrivial. Some evidence of higher level thinking.	Most are invalid or trivial. Little evidence of higher level thinking.	Missing or invalid. No evidence of higher level thinking.
Examples	Complete set, valid, illustrative, and significant.	Incomplete set; but most are valid, illustrative, and significant.	Incomplete set; but some are valid, illustrative, and significant.	Incomplete set; but few are valid, illustrative, and significant.	Missing or invalid.

Highly competent = 100-90, Competent = 89-80, Acceptable = 79-70, Need Improvement = 69-60, Unsatisfactory = 59-0