



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_41666
Title of the Manuscript:	Entropy Is the Sum of Heat Capacities
Type of the Article	Short Communication

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	<p><b>A Definition of Entropy</b></p> <p>The authors need to show the connection of their new definition to other definitions.</p> <p>In this article the authors only discuss solids</p> <p>Missing is an association with the definition</p> <p>(i.) Entropy = <math>R \ln(\text{Number of states})</math></p> <p>(ii.) The authors also need to connect their definition to expansion of a gas.</p> <p>change of in entropy in the process of expansion of a gas.</p> <p>(iii.) It is suggested that the authors calculate the change of entropy upon expansion from one known volume into a second known volume at a given temperature with / from their definition.</p> <p>(iv) also discuss going from a gas to a liquid to a solid ...</p> <p>The responses above should be complete, but also can be brief.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments	It is hard to know if this is not previously presented in the literature as there are literally thousands of text books in all languages with extensive discussions of entropy. And heat capacity.	



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**Reviewer Details:**

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