

## READING PROCESS WORKSHEET

GED0001

NAME: Hyanna Mae D. Esperon SECTION: AM01  
TEXT TITLE: Engineering Example DATE: 03 – 06 - 23  
TEXT TYPE: Informative text AUTHOR: University of Wollongong Australia

### I. PRE-READING (10 POINTS)

A. Complete the table with the headings, subheadings, and visuals that can be seen in the text.

Headings	Subheadings	Titles of Visuals
Sample Introductions	Biology Example Engineering Example Education Example	No visuals given

B. Fill the table with information that you already know about the topic (K), you wonder about the topic (W), and you will learn after reading the text (L). Fill the L Column after reading the text.

K	W	L
<ul style="list-style-type: none"><li>- Engineering studies about the mathematical structures of objects such as buildings.</li><li>- Engineers and architects are united in working.</li></ul>	<ul style="list-style-type: none"><li>- What specific topic in engineering is the introduction about?</li><li>- Since it is an introductory part of a research, what is the focus and purpose of the study?</li><li>- What are the given gaps and related studies given on the topic?</li></ul>	<ul style="list-style-type: none"><li>- Microwave sintering is an alternative technique in the creation of ceramics.</li><li>- Zirconia could be an alternative material for ceramic products</li></ul>

### II. READING (10 POINTS)

A. Fill the table with specific details from the text and inferences that can be drawn from it.

Details from the Text	Plausible Inferences
Until now, there has been no report of any systematic study of the microstructures produced by microwave sintering, or their relationship to the properties of the sintered product.	There might be none who has started research about it.
Advanced ceramic materials such as zirconia have great potential as substitutes for traditional materials in many engineering applications; however, a number of problems have thus far restricted their use by engineers.	Zirconia may have unpleasant effects that causes for its restriction to the engineering field.

B. Figure out the meaning of the unfamiliar words listed in the Pre-reading part of this worksheet.

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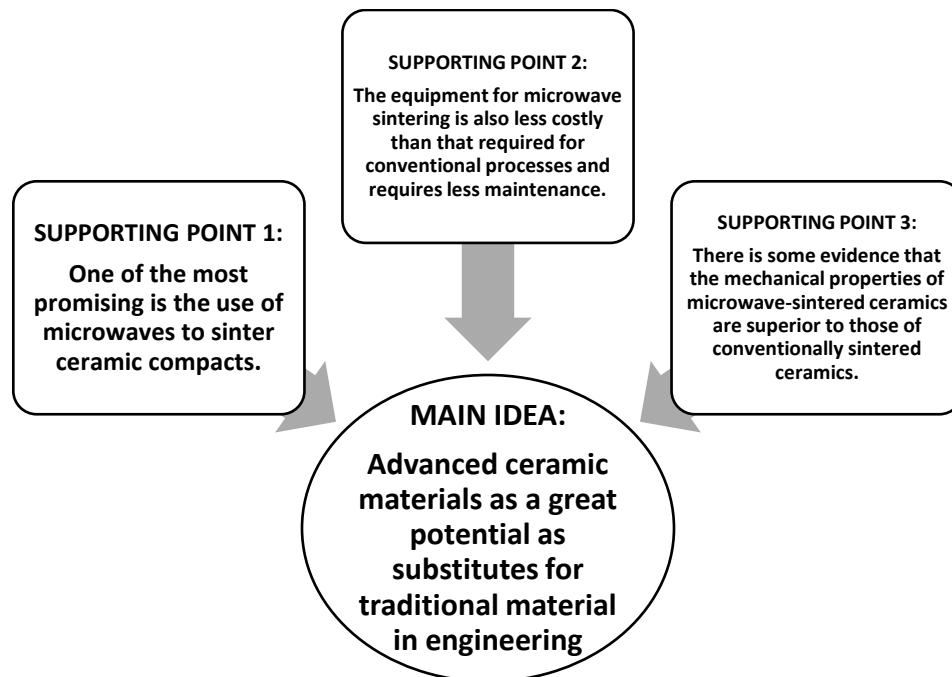
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Write the unfamiliar word, look for the clue, and write your own definition.

Unfamiliar Word	Context Clue (i.e., antonym, synonym, examples, description, word parts, definition or any clues in the text)	Use each unfamiliar word in a sentence
Zirconia	substitutes for traditional materials	It was observed in the study that Zirconia can be a great substitute as a ceramic material.
Microwave sintering	The relationships between density and grain size were studied in order to determine whether microwave heating altered the densification/grain growth relationship.	Microwave sintering has been proven as
Densification	Word Parts – Density	It's unfortunate sometimes that there is a confusion between high rise and densification.

- C. Supply the missing information in the graphic organizer below based on the text that you have read.



### III. POST-READING (10 POINTS)

- A. Answer the following rhetorical analysis guide questions.

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1. What credentials does the author have which give him/her the authority to write about the topic of the text? The paper is written by a known university in Australia.
2. After considering the author's profession and affiliation, what possible biases the author might have about the topic? University of Wollongong Australia is a known university for research universities; therefore, I don't find biases on the given topic.
3. What is the purpose of the text, and how does the author accomplish that purpose? What evidence does the author use to support the main idea in the text? The purpose of this introduction is to give an overview, provide the opportunity, gaps, and purpose of the about the research that was made.
4. What specific idea/information in the text challenges or surprises you? Why? What challenged me the most is the technical words given in the introduction. It was hard to comprehend it since I am not familiar with it.
5. Is the style of writing suitable for the intended audience? Is it too formal or too casual? Why? Given that it is a research paper, formality is natural in the format. It is suitable for it's intended audience since research papers are used academically and more commonly in scientific research.