



BELIZE

FACTS AND FIGURES

WORKBOOK

for Belizean Studies

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Herman Figueroa

Acknowledgements

This workbook was written by two Belizean High School teachers and organized by a writer hoping to become a contributor to the development of the country. Despite this ambitious team, crafting the workbook was more involved than we originally believed. Yet, it was far more gratifying than we could have ever imagined. The work could not have been realized without the contributions of our family, friends, colleagues and local collaborators, some of whom we did transactions with, but never met in person.

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The artists include Mr. German Figueroa, Mr. Orlando Nah, Ms. Ana Osegueda, Mr. Helaman Chi and Ms. Julia Arzu. The art was created for the enjoyment of our readers.

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Mr. Paul Cathers' team at BRC Printing including Mrs. Lorena Melgar Contreras did the beautiful work of the layout you are now reading.

If there are people we may have missed, we humbly apologize.

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PART I: Belize, A Nation in Space and Time.....	9
1: The Universe.....	10
2: The Earth.....	22
Part II: A Caribbean Nation in Central American.....	45
3: Belize in the Western Hemisphere.....	46
4: Belize’s Strategic Advantage.....	56
5: Belize’s Independence and Sovereignty.....	64
6: Belize’s Boundaries and Territory.....	75
7: The National Symbols.....	84
8: The Population of Belize and the Districts.....	91
9: The Big Issues, Information for Good Decision Making Attaining Sustainable Development & The Press.....	104
Part III: A Nation of Unique Marine and Terrestrial Resources.....	122
10: The Geography of Belize.....	123
11: The Geography of Mesoamerica & Guatemala, Our Western Neighbor.....	135
12: The Caribbean Archipelago and Jamaica, Belize’s Closest CARICOM Neighbor.....	143
13: Belize’s Ecosystems.....	149
14: Belize’s Marine Ecosystems and Important Laws Protecting Belize’s Marine Ecosystems.....	157
15: Belize’s Terrestrial Ecosystems and Important Laws Protecting Belize’s Terrestrial Ecosystems.....	169
16: Ecosystem Connectivity, Notable People who have protected Belize’s Ecosystems, Protected Areas, Biodiversity in Belize.....	178
17: Cultural Sites.....	187
Part IV: The People of Belize and Their History.....	203
18: The Belizean Ethnic Groups.....	204
19: The Belizean Identity.....	214
20: The Arts, Museums, Libraries in Belize.....	224
21: Archeology in Belize and Origin Stories.....	231
22: Belizean History: 11,000 BC to 7,000 BC & 7,000 BC to 2,500 BC – Our first explorers.....	240
23: Belizean History: 2,500 BC – 1,500 AD - The Birth of Civilization.....	248
24: Belizean History: 1502-1641 – This First Invasion.....	256
25: Belizean History 1650s – 1871 – The Second Invasion.....	263
26: Belizean History: 1871-1950 – The Last Colony.....	274
27: Belizean History: 1950-1964 – A overnight awakening.....	282

28: Belizean History: 1964-1981 A difficult resolution.....	291
29: Belizean History: 1981-present A gradual confidence.....	300
30: Belizean Timelines.....	307
31: Social Justice, Citizenry, Leadership	312
32: Change, Challenges and Social Cohesion.....	324
33: Heroes and Benefactors.....	338
34: Guatemala's Claim Against Belize	351
Part V: Governance in Belize	370
35: The Constitution, Three Branches, main Responsibilities of Government and Non-Governmental Organizations (NGOs).....	371
36: How laws are made, The Criminal Code, Alcalde System, Ombudsman, & Justices of the Peace and Commissioners of the Supreme Court.....	381
37: The Political Process	389
38: The Financial System, Social Security & Taxes and Duties	397
PART VI: BUSINESS AND THE ECONOMY OF BELIZE	413
39: The Structure of the Economy and Economic Data.....	414
40: The Industries and Industry Stakeholders	424
41: The threats and opportunities of Climate Change for industry, Investment Strategies in Preparation of Climate Change, Addressing Sea Level Rise, Opportunities for investment.....	435
42: Conducting Business, Essential Business Processes, Labour Rights and Additional businesses processes.....	448
43: Real Estate, Incentives to invest, Control of Financial Crimes, Public and Bank Holidays	455
44: Travel to Belize, Immigration, Customs and Quarantine.....	462
Part VII: Education, Healthcare, Energy, Telecommunications, And Sports & Entertainment	477
45: Education, Healthcare & Water	478
46: Transportation, Energy, Ports of Entry & Internet.....	487

Learning how to learn.

We want to teach you something important before you get into this book. How to do a really good internet search.



Frantz Smith

By adding quote marks "", AND suffixes like PDF, PPT, or .edu, to your Google searches, you can improve your results. You can also search Youtube for videos on important topics.



Emily Martinez
Palacio

For example, "cohune"
AND "Belize" AND
"uses" PDF would give
good results.



Marilynn Tulcey

And if you tell the search engine to look for keywords together and in quotes like "in partial fulfillment of" AND "thesis", you will usually find university theses which are usually good documents. For example with:

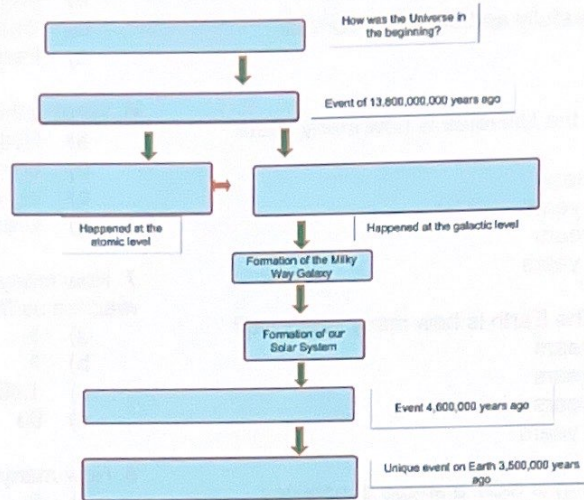
"cohune" AND "Belize" AND "uses" AND "in partial fulfillment of" AND "thesis" PDF . edu

You will be able to find good results.



Visual Thinking

In the schematic, fill in the boxes with the events in the creation process.



Crossword

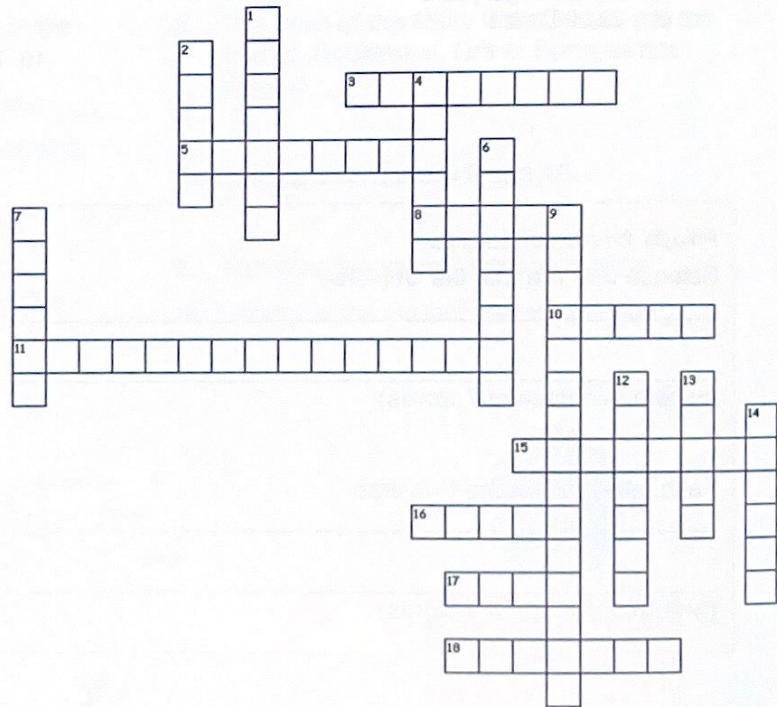
1. Read the statements below.
2. Determine the correct response and fill in the entire crossword.

Across

3. Type of radiation from the sun
5. Examples of simple particles at the beginning
8. Milky Way arm of our solar system
10. Analyzed to know the chemical composition of the distant universe
11. Scientists who study the universe
15. Element in the sun
16. A type of structure travelling in the universe
17. Center of the universe
18. Largest planet

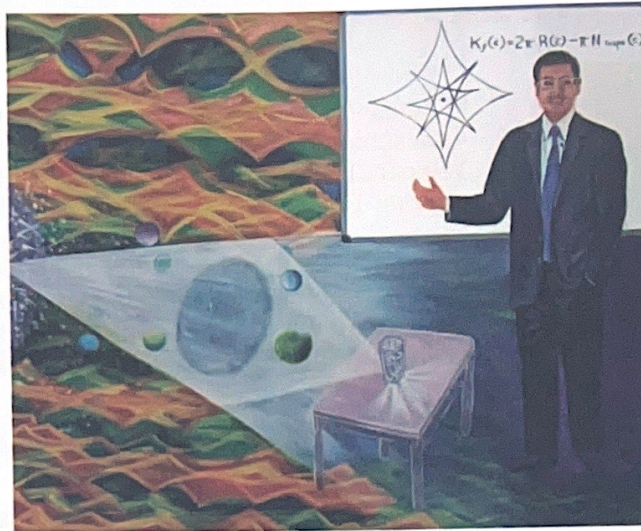
Down

1. Planet farthest from the sun
2. Orbit around planets
4. Process that produced elements such as silicon
6. All matter, space and time
7. Most abundant shape of galaxies
9. Physical process that formed hydrogen at the beginning
12. Smallest planet
13. Number of planets in the solar system
14. One of the colors of white light



Research and Interpretation

1. Research the life of Dr. Arlie Petters online on Google, find some of his lectures on Youtube and discuss.
2. Label the different parts of the art below.
3. Answer the questions below.



Questions

1. Who is Dr. Arlie Petters?
2. In which community was he born?
3. Which Universities did he attend and teach at?
4. Describe his work on the study of the travel of light across the universe.
5. Investigate on the internet what is a caustic in the science of optics.
6. How do you think the art above summarizes the work of this Belizean scientist? (Check videos on Youtube)