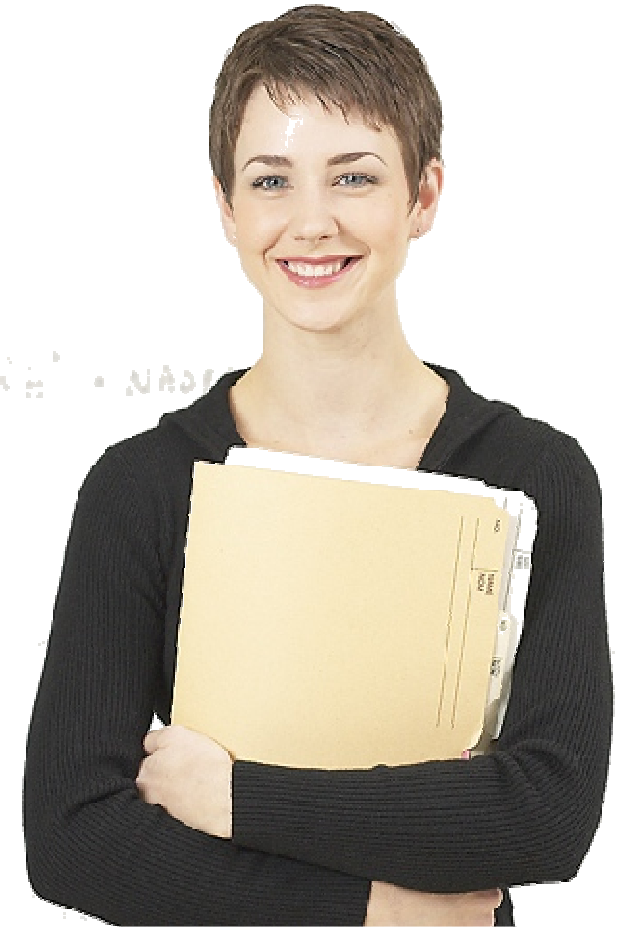


Rationale™

**Map Examples
for
Secondary Schools**



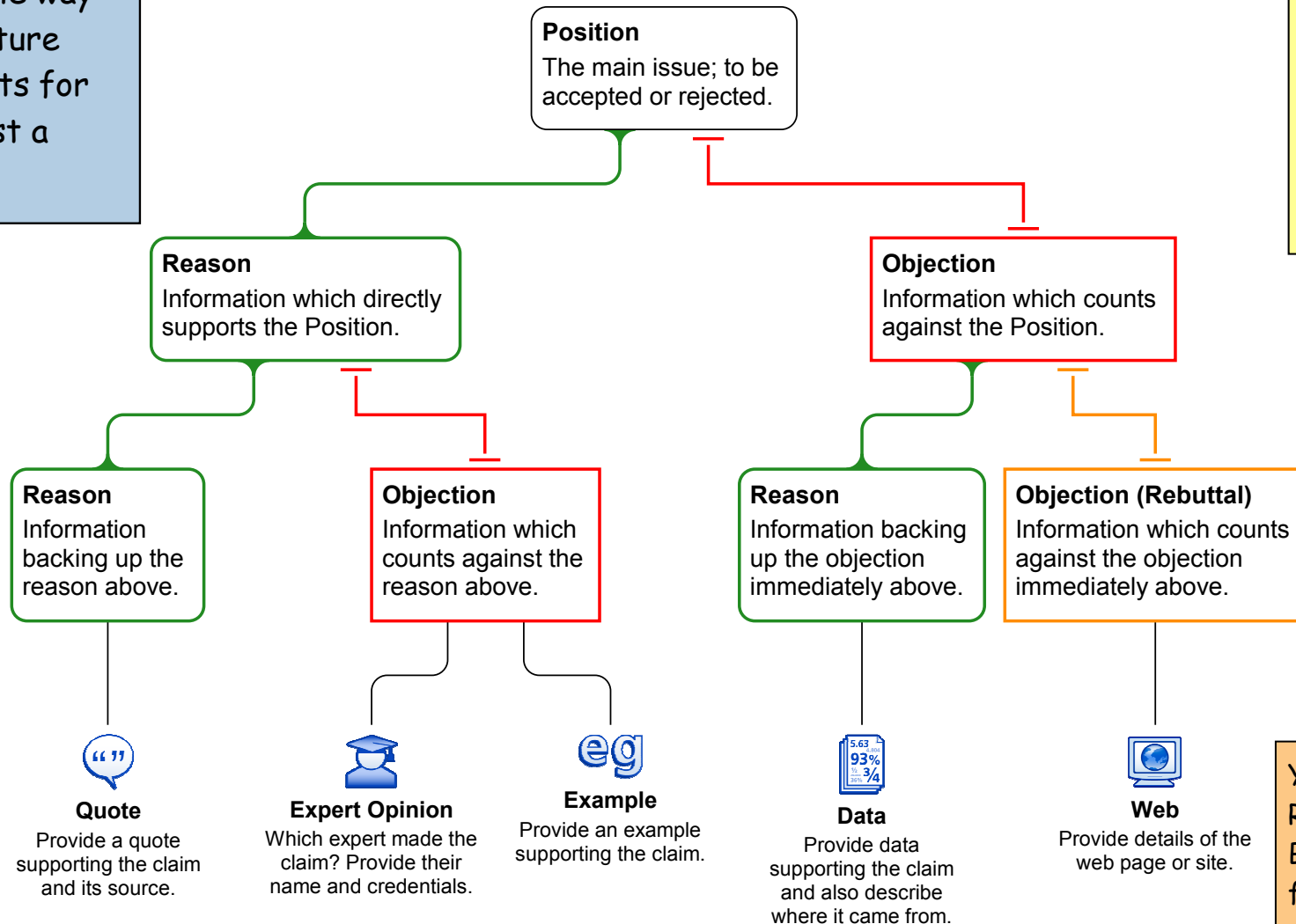
Simply Better Thinking

Contents

Reasoning Maps legend	1
Art examples	2
English examples	5
Geography examples	11
History examples	14
Religious education examples	17
Maths and Science examples	20
The critical thinking process	23
Just for fun!	29

Reasoning Maps

A reasoning map is a simple way to structure arguments for or against a position.

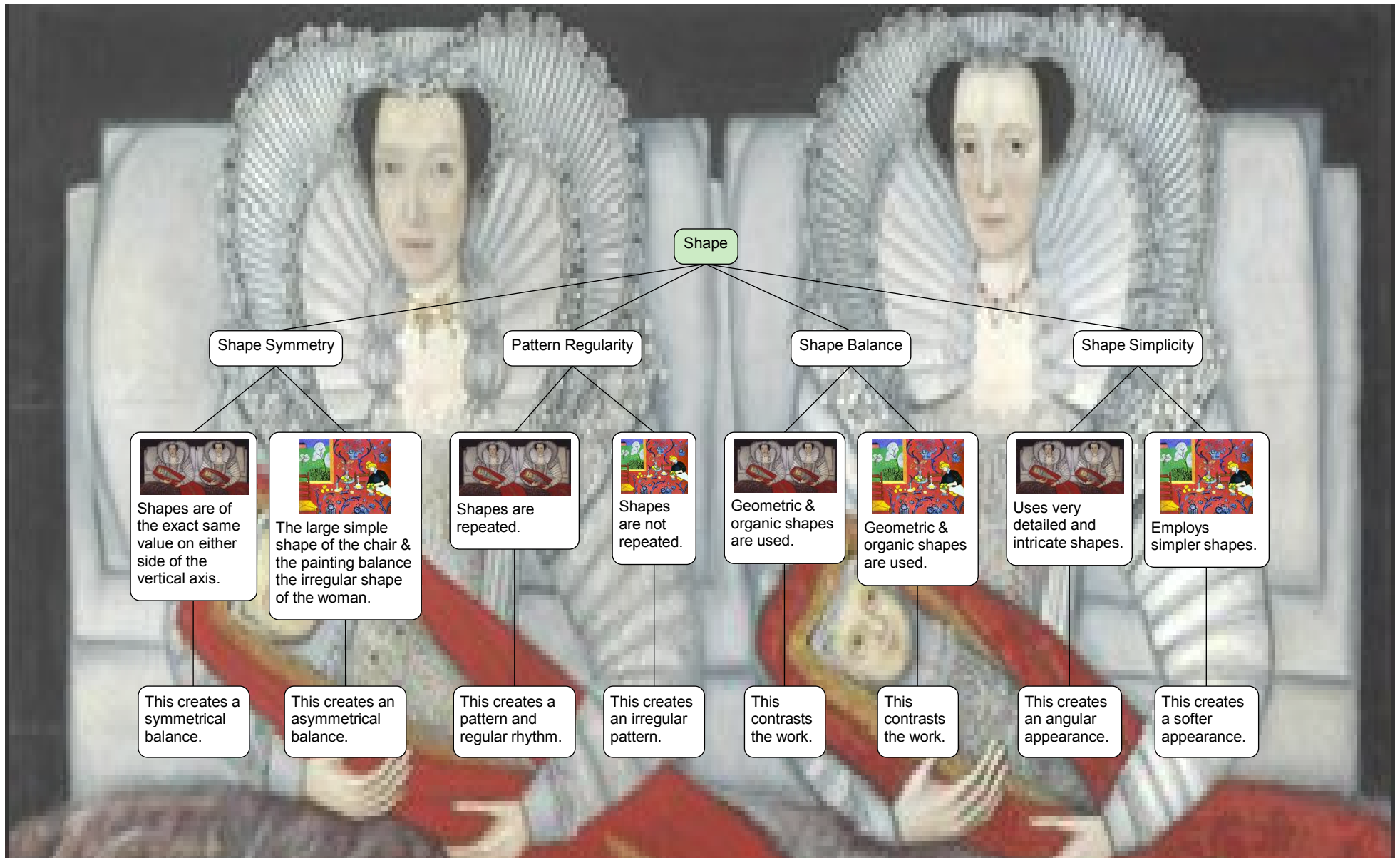


Add as many reasons or objections as you need to the map by dragging them from the Reasoning Tab in Rationale and dropping them where you need them.

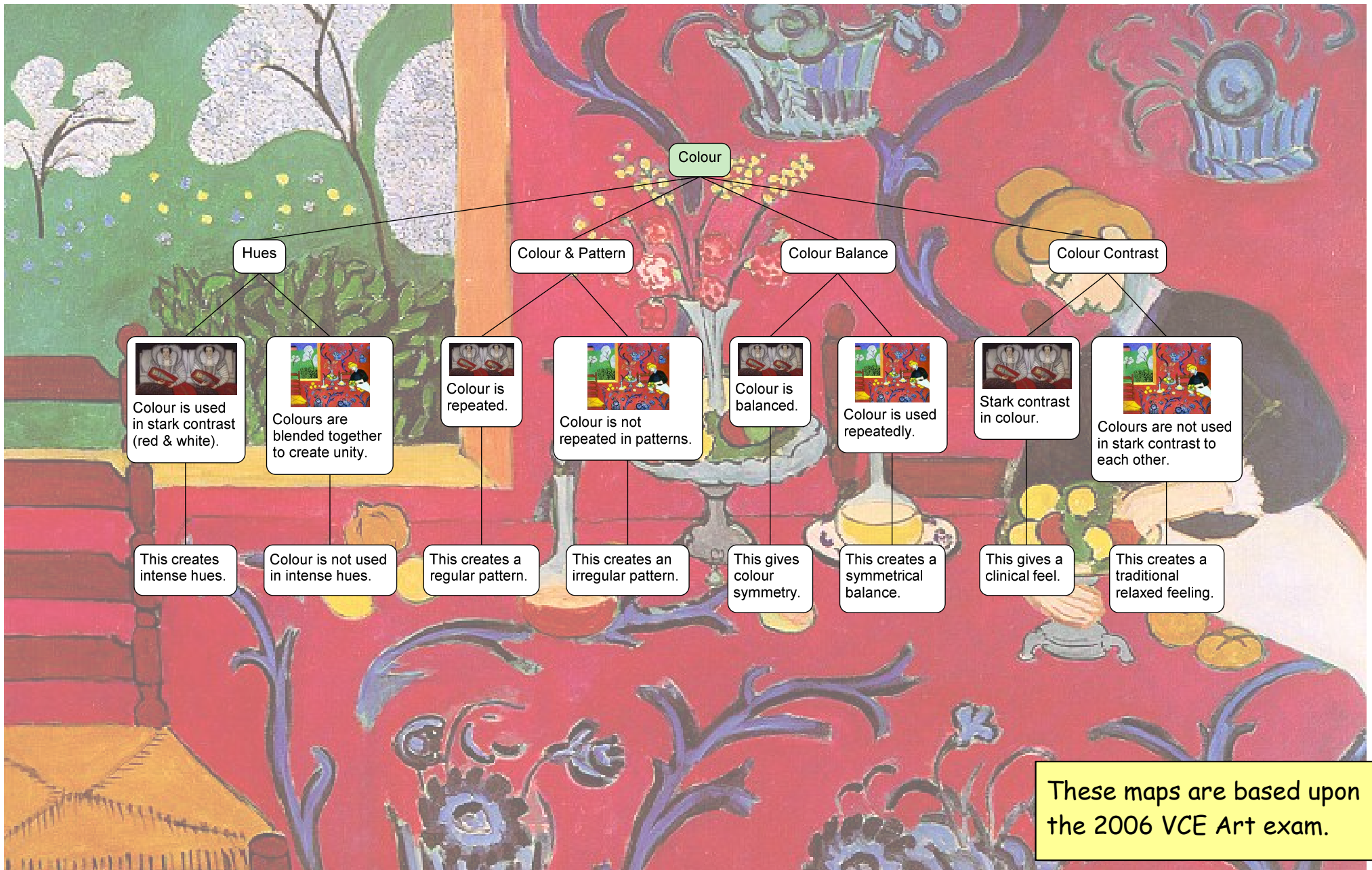
You can also evaluate a Reasoning Map and use Basis Boxes to show different forms of evidence.

Art Examples

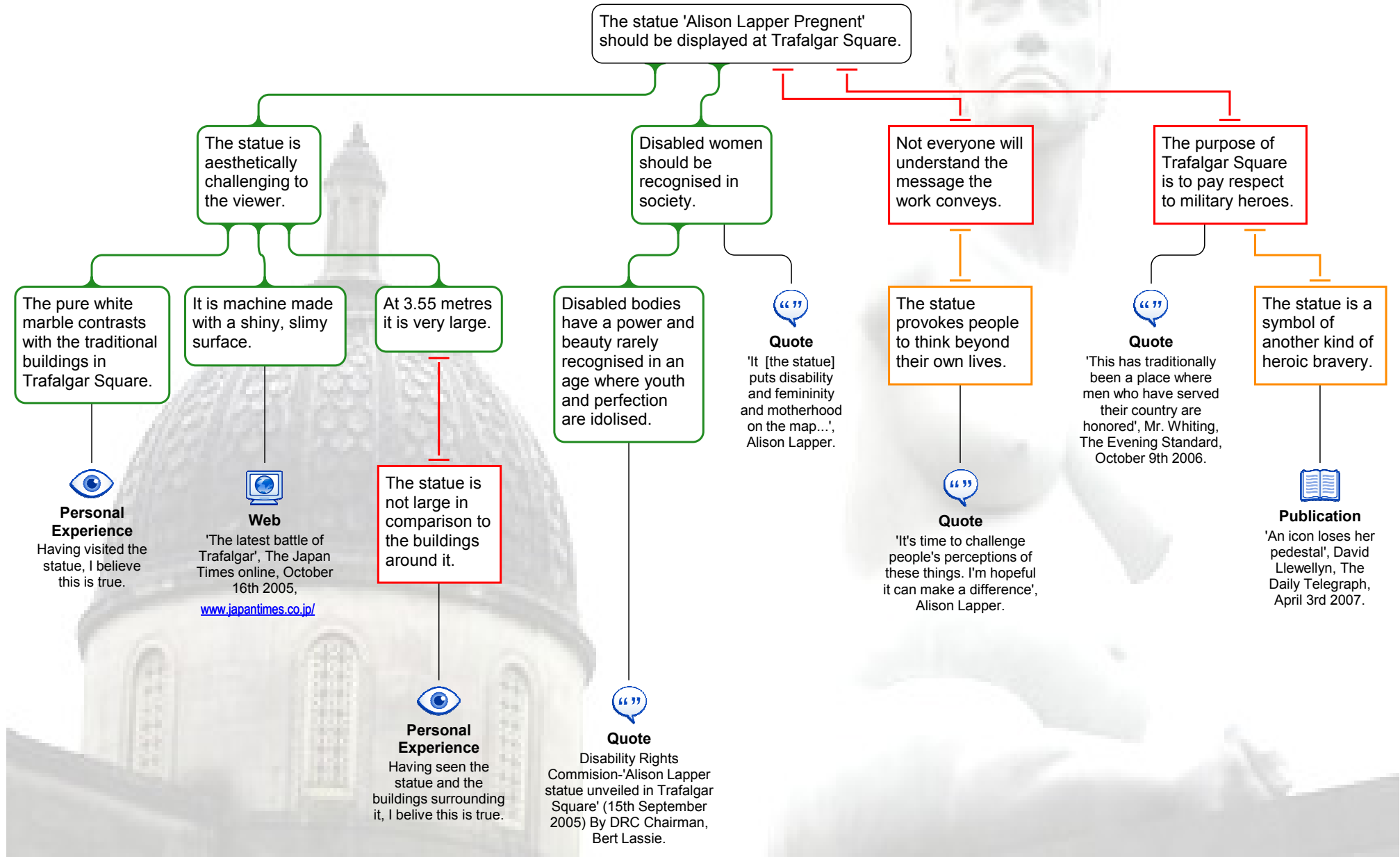
Comparison of shape between 'The Cholmondeley Ladies' (unknown) and 'Harmony in Red' (Matisse)



Comparison of colour between 'The Cholmondeley Ladies' (unknown) and 'Harmony in Red' (Matisse)

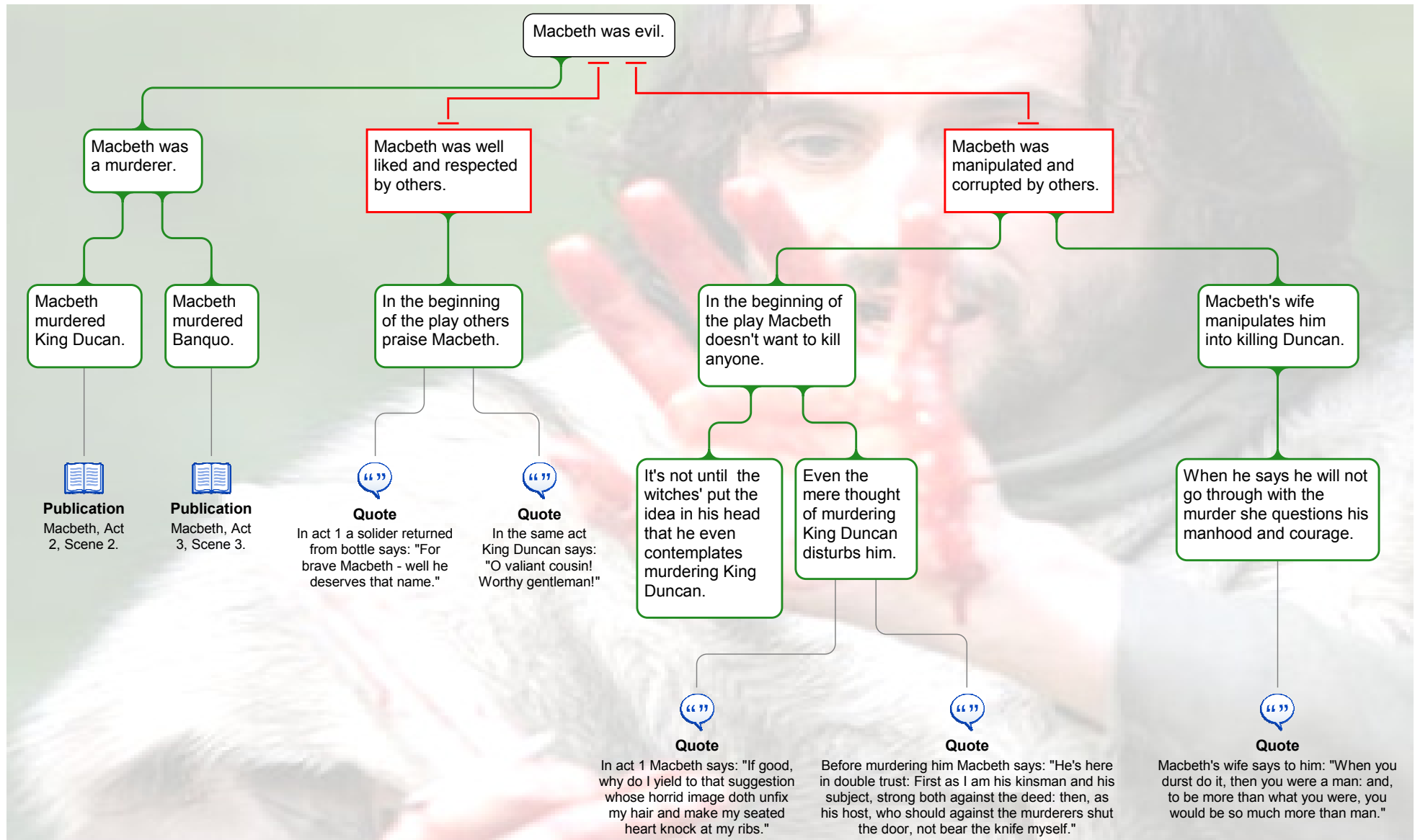


Should the statue of Alison Lapper Pregnant be displayed at Trafalgar Square?

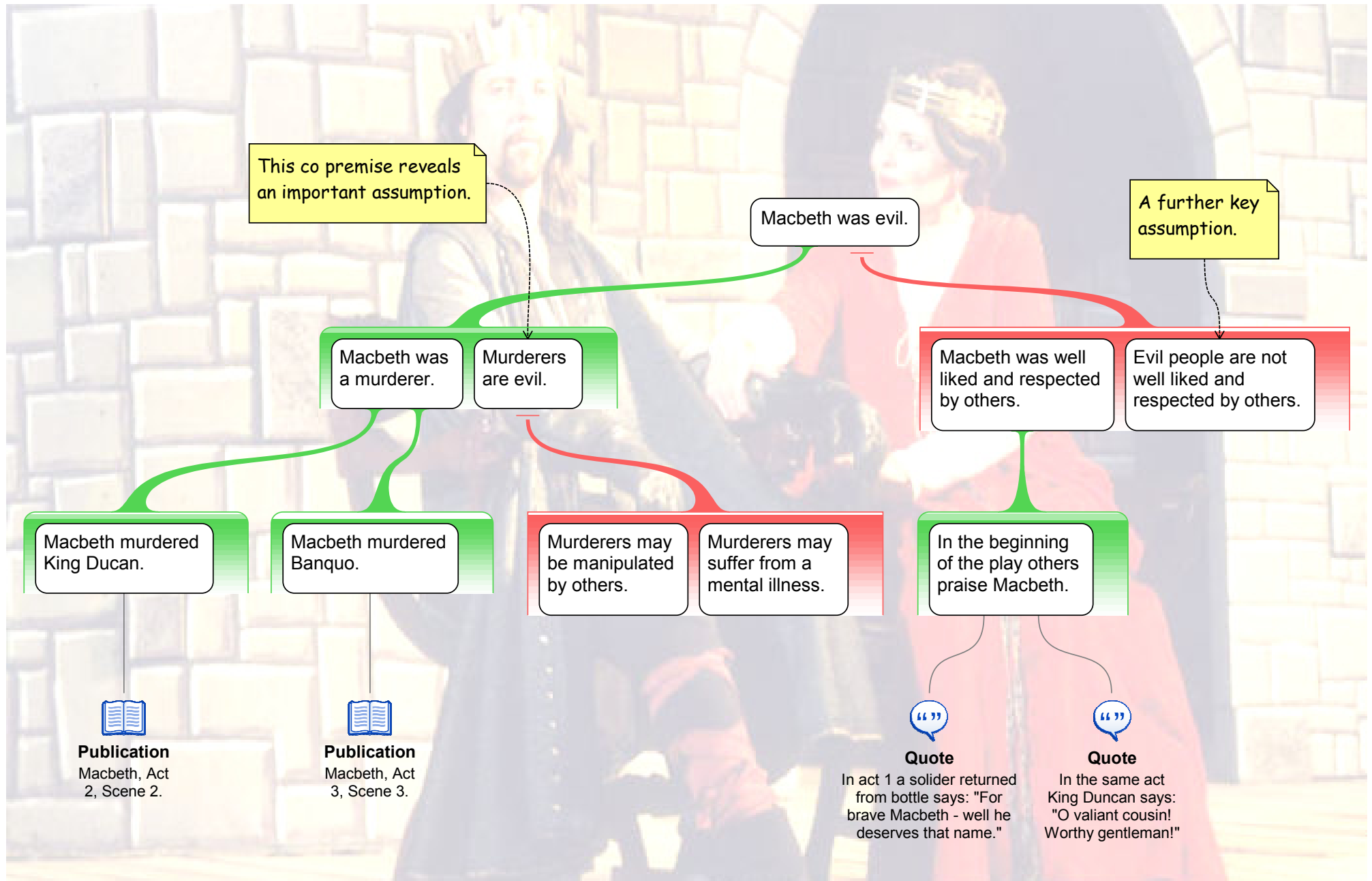


English Examples

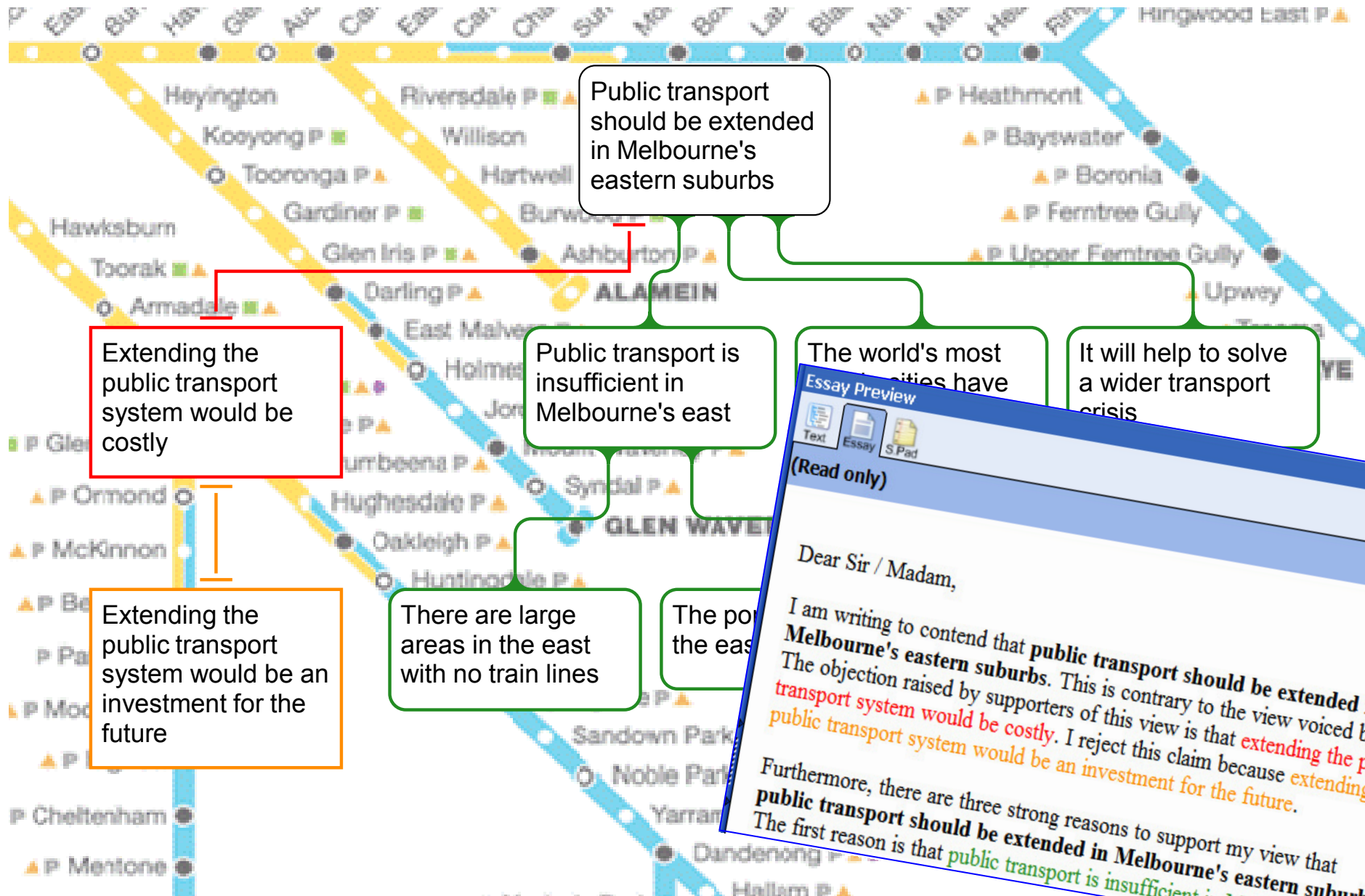
Macbeth was evil: Reasoning map



Macbeth was evil: Analysis map to reveal assumptions



Letter to the Editor: Public transport should be extended in Melbourne's eastern suburbs



Public transport should be extended in Melbourne's eastern suburbs

Extending the public transport system would be costly

Public transport is insufficient in Melbourne's east

The world's most cities have

It will help to solve a wider transport crisis

Extending the public transport system would be an investment for the future

There are large areas in the east with no train lines

The po the eas

Essay Preview

Text Essay S Pad

(Read only)

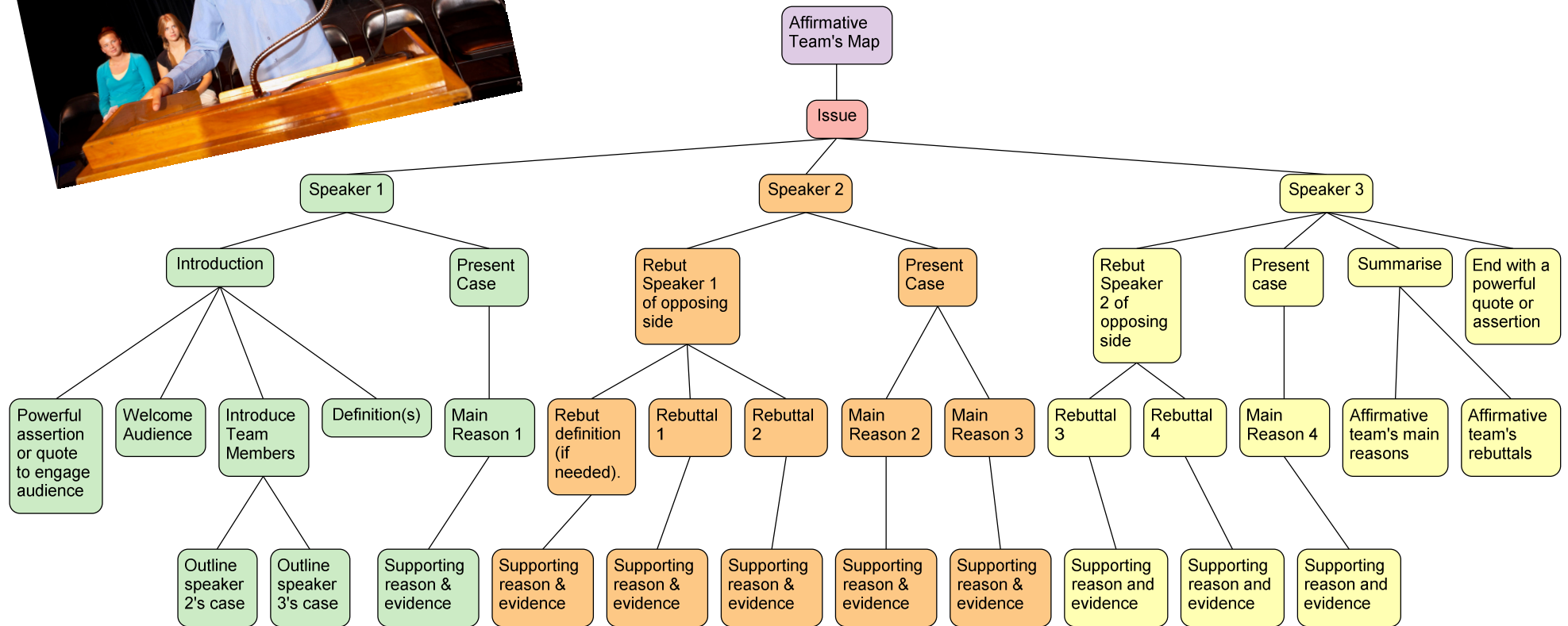
Export... ?

Dear Sir / Madam,

I am writing to contend that **public transport should be extended in Melbourne's eastern suburbs**. This is contrary to the view voiced by ... The objection raised by supporters of this view is that **extending the public transport system would be costly**. I reject this claim because **extending the public transport system would be an investment for the future**.

Furthermore, there are three strong reasons to support my view that **public transport should be extended in Melbourne's eastern suburbs**. The first reason is that **public transport is insufficient in Melbourne's east**,

Debating: Roles and tasks for the Affirmative team

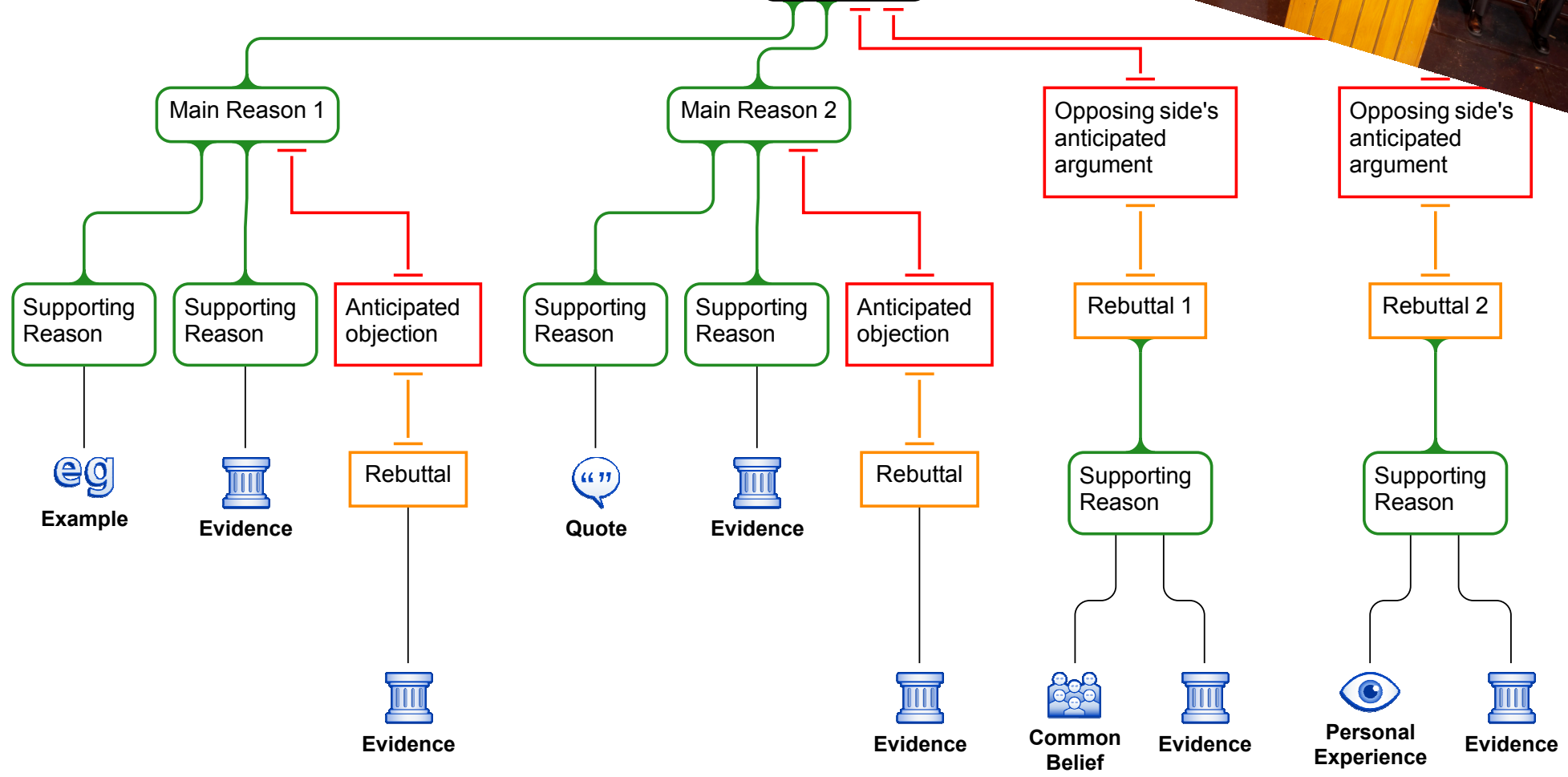


Debating an issue: 'That ...'



A section of the Affirmative Team's Case.

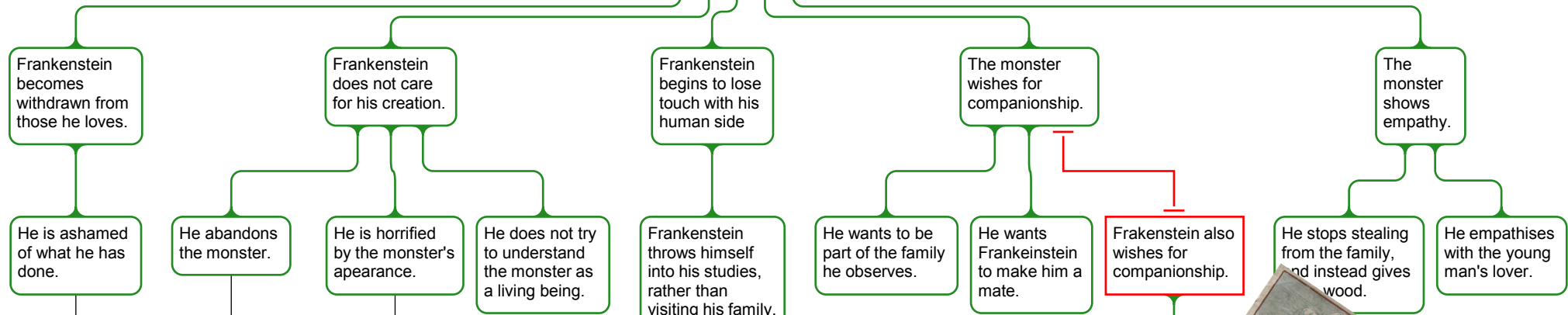
Debate issue: 'That ...'



Frankenstein's monster is more human than his creator

'Frankenstein's tragedy is not that he creates a monster but that he becomes one.' What do you think? - 2000 English exam, paper 2, NSW

Frankenstein becomes a monster, and the monster is more human than his creator.



“ ”

Quote

I dreaded to behold this monster; but I feared still more that Henry should see him.

“ ”

Quote

He might have spoken, but I did not hear; one hand was stretched out, seemingly to detain me, but I escaped, and rushed downstairs.

“ ”

Quote

... but now that I had finished, the beauty of the dream vanished, and breathless horror and disgust filled my heart.

“ ”

Quote

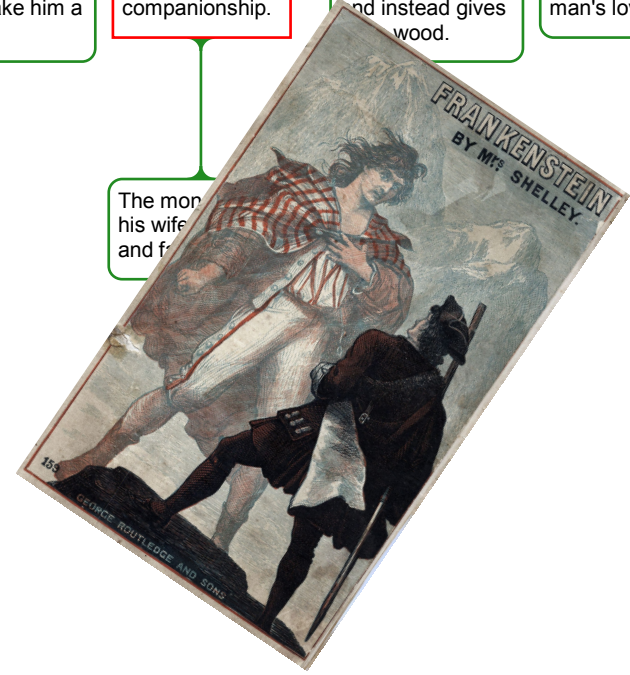
Two years passed in this manner, during which I paid no visit to Geneva, but was engaged, heart and soul, in the pursuit of some discoveries, which I hoped to make.

“ ”

Quote

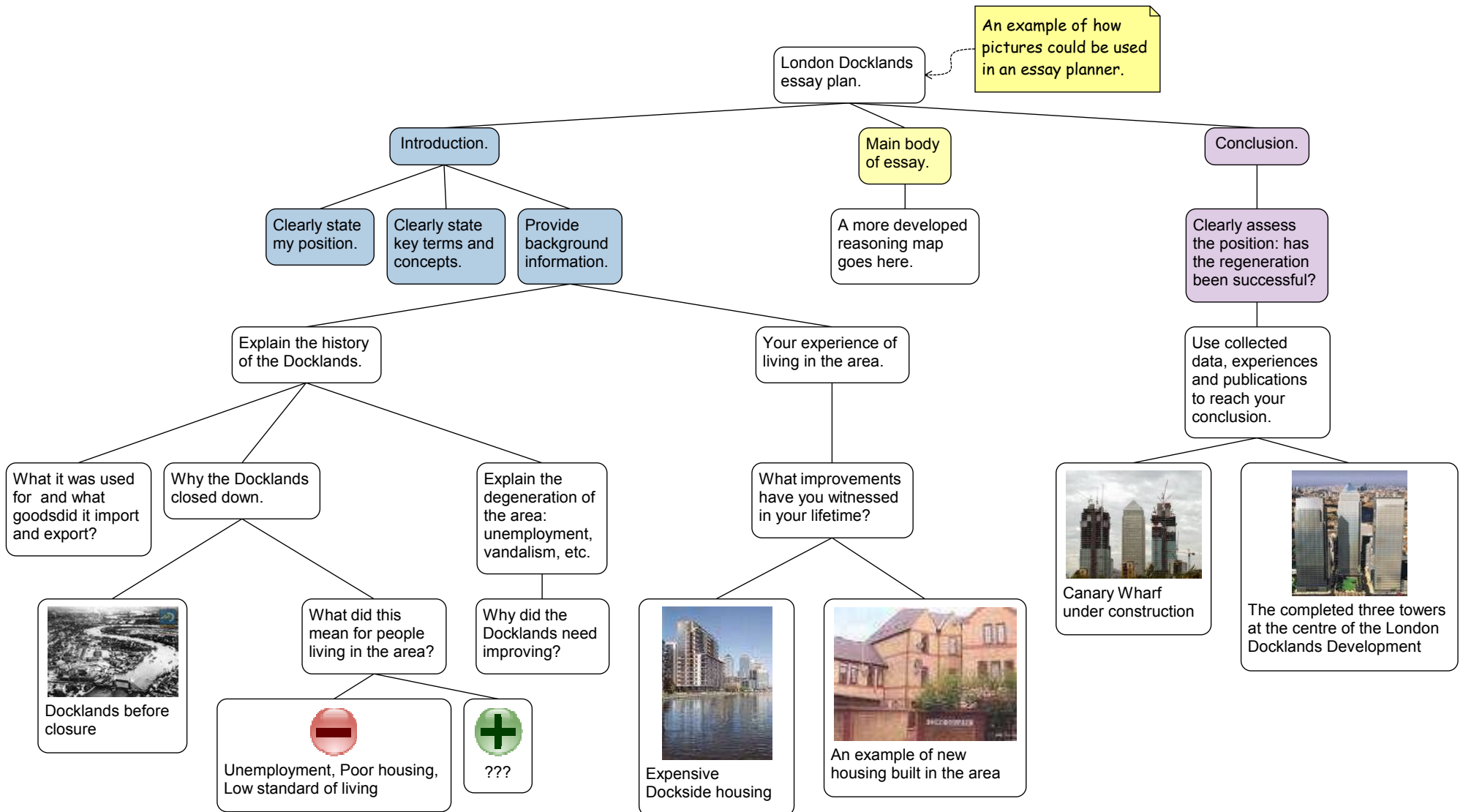
I wished, as it were, to procrastinate all that related to my feelings of affection until the great object, which swallowed up every habit of my nature, should be completed.

The monster wishes for companionship with his wife and friends.

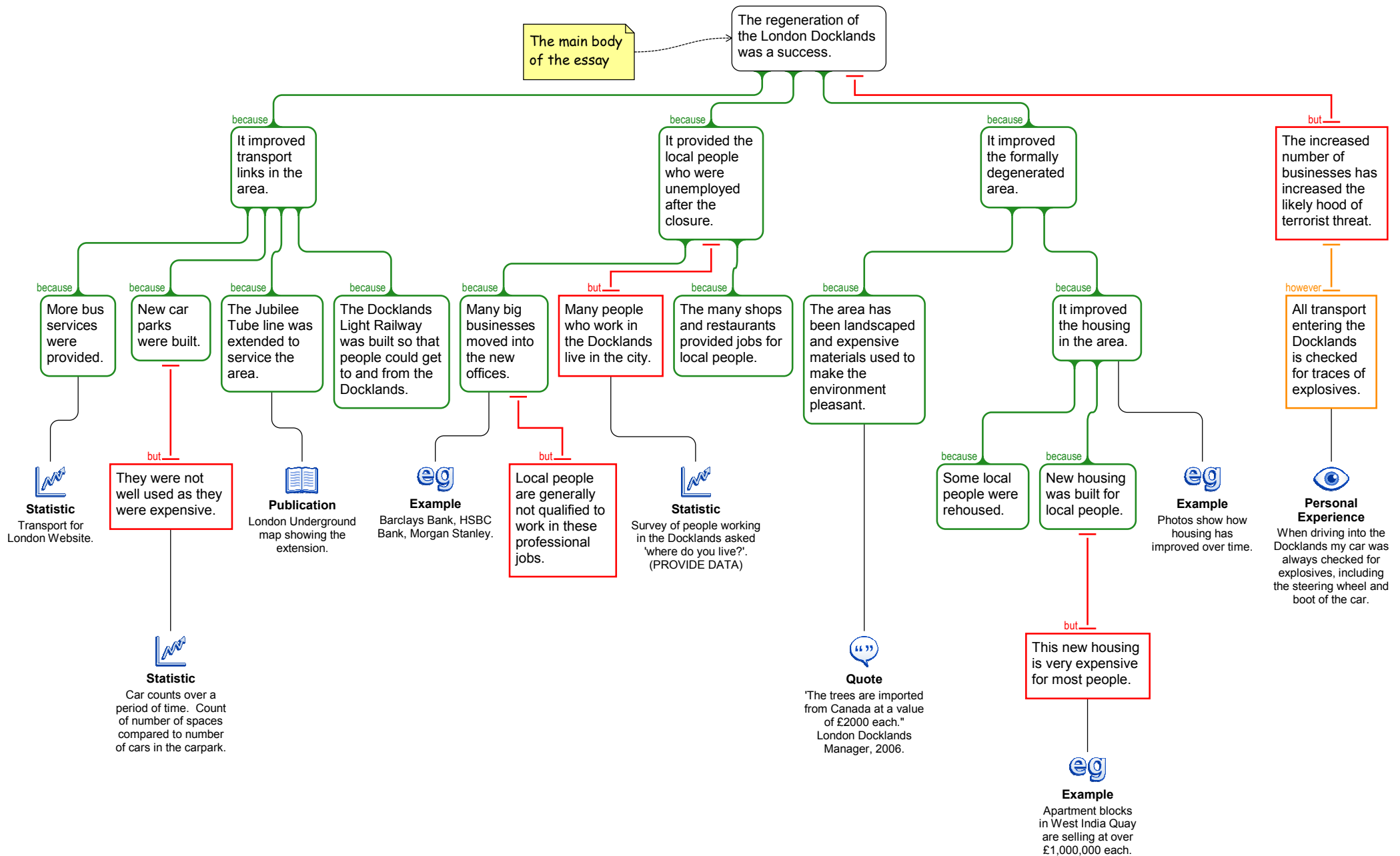


Geography

Has the regeneration of the London Docklands been a success?



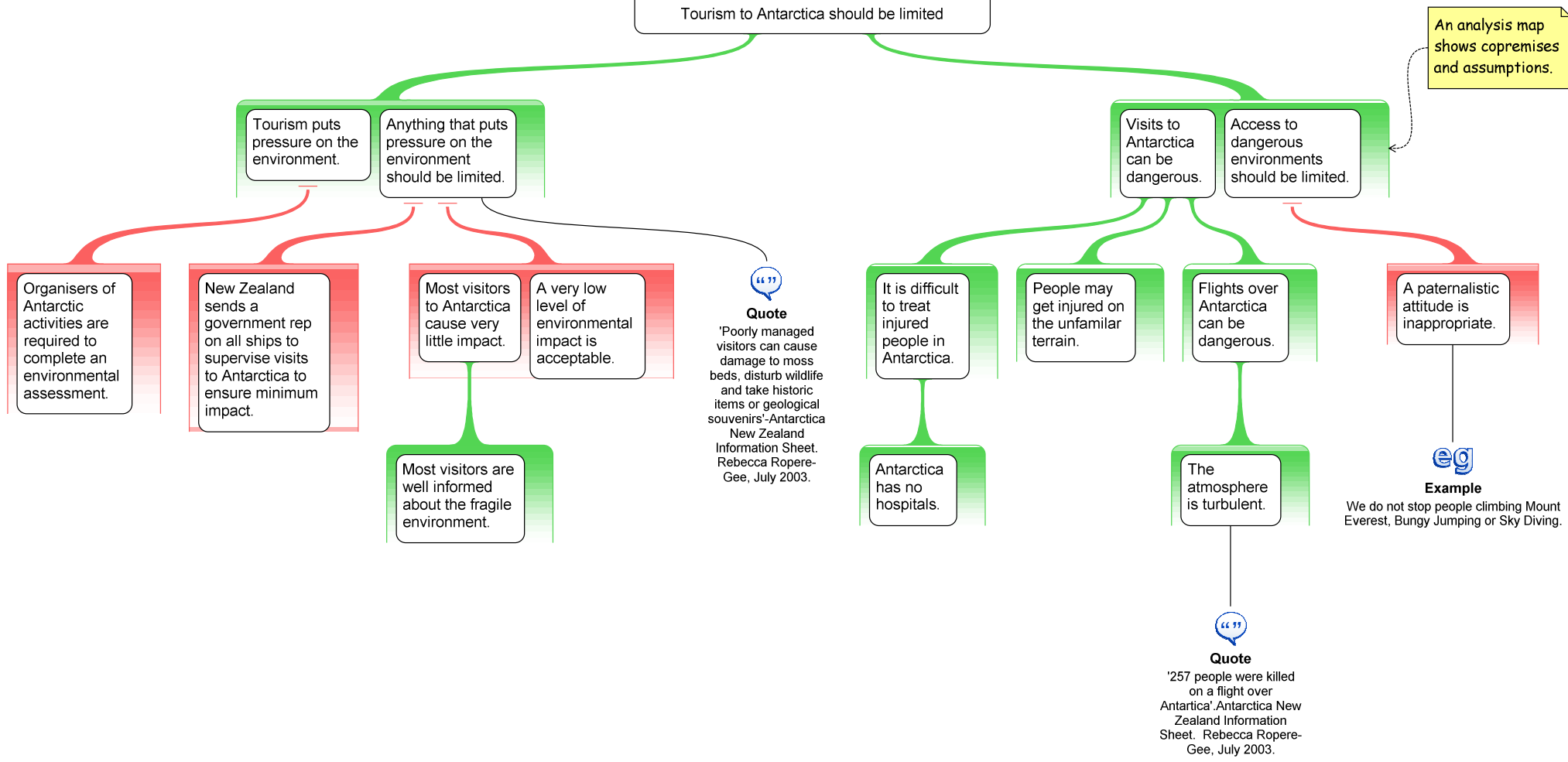
Essay Body: The regeneration of the London Docklands was a success



Tourism to Antarctica should be limited

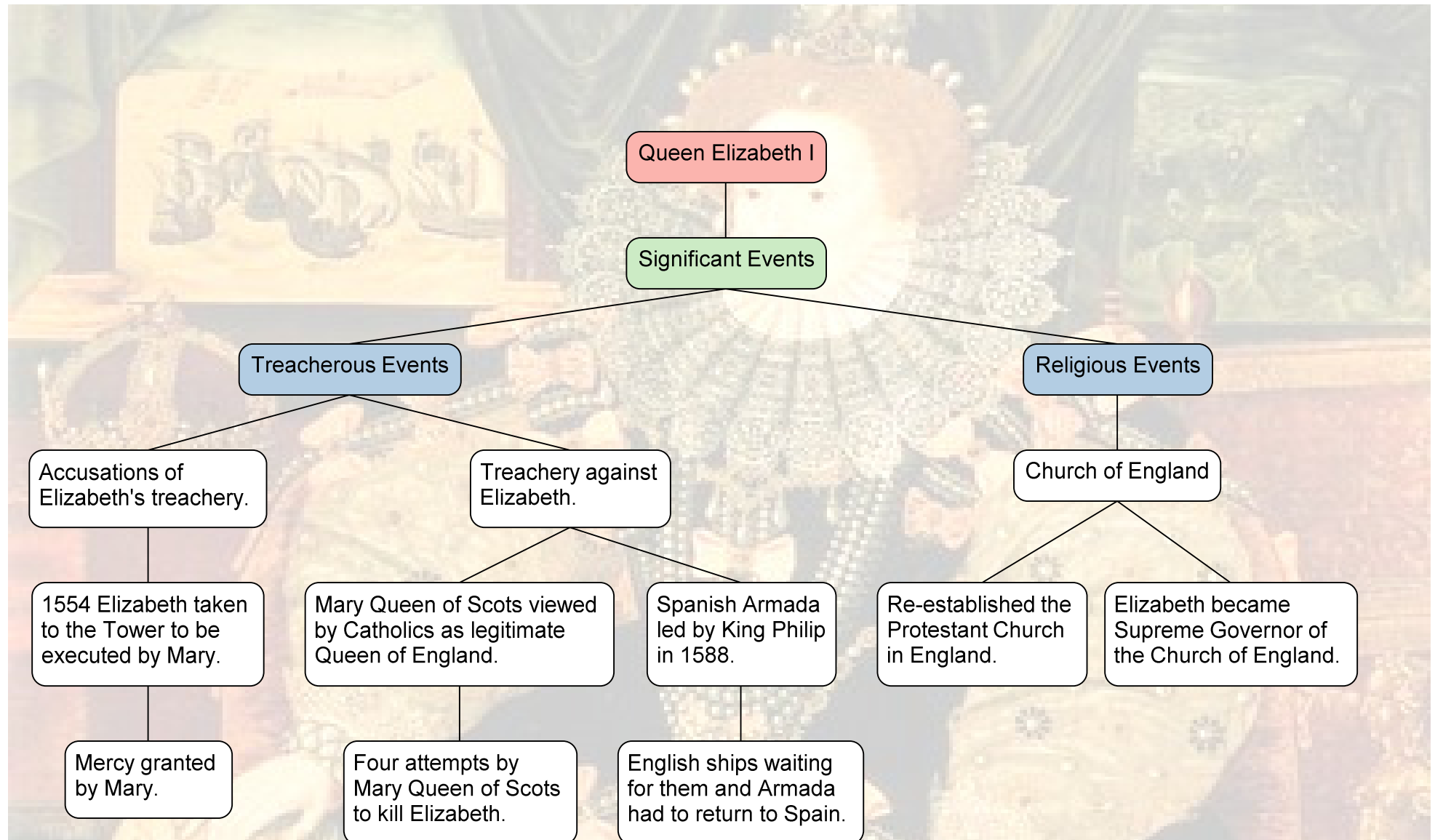


An analysis map shows copremises and assumptions.

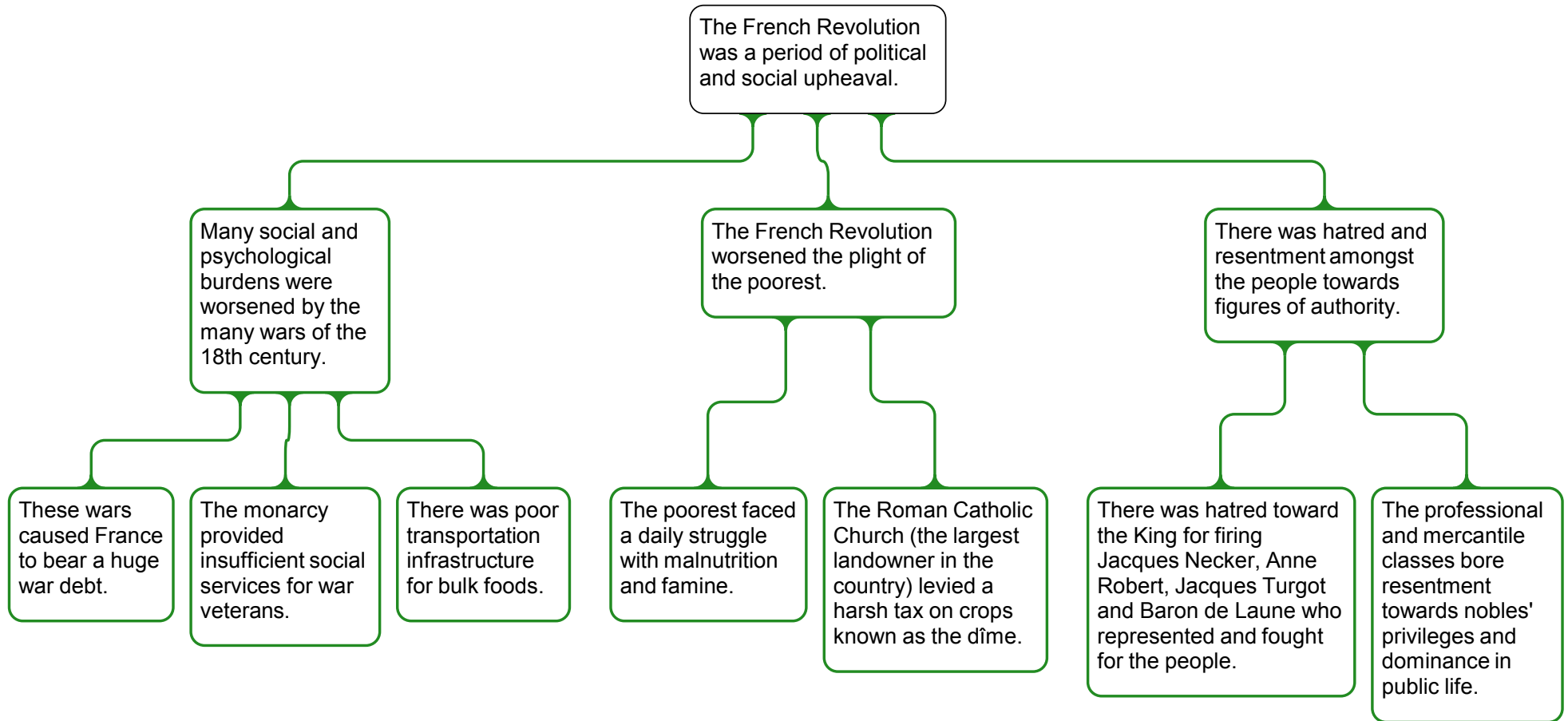


History

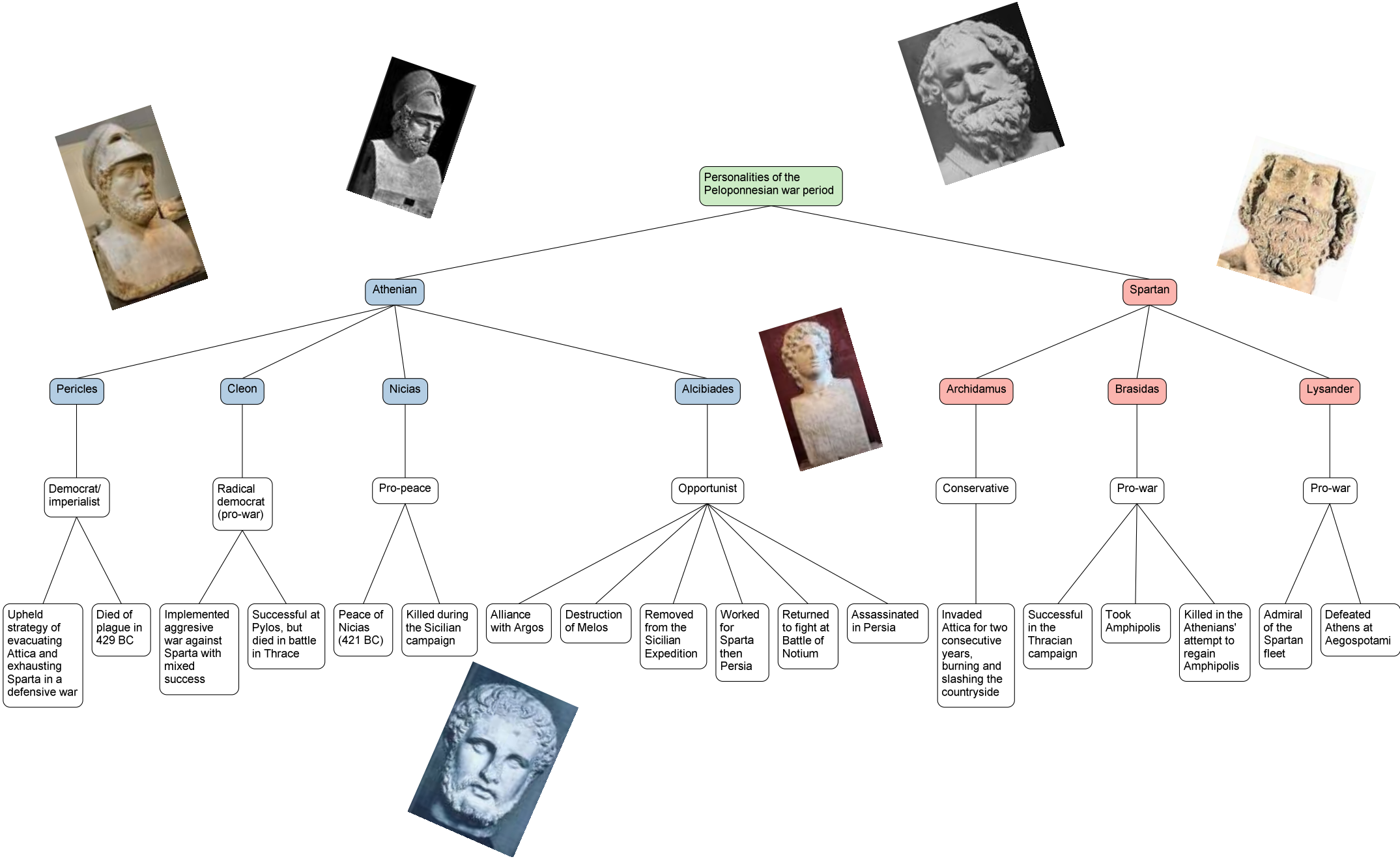
Queen Elizabeth I - Grouping map of significant treacherous events and religious events



The French Revolution

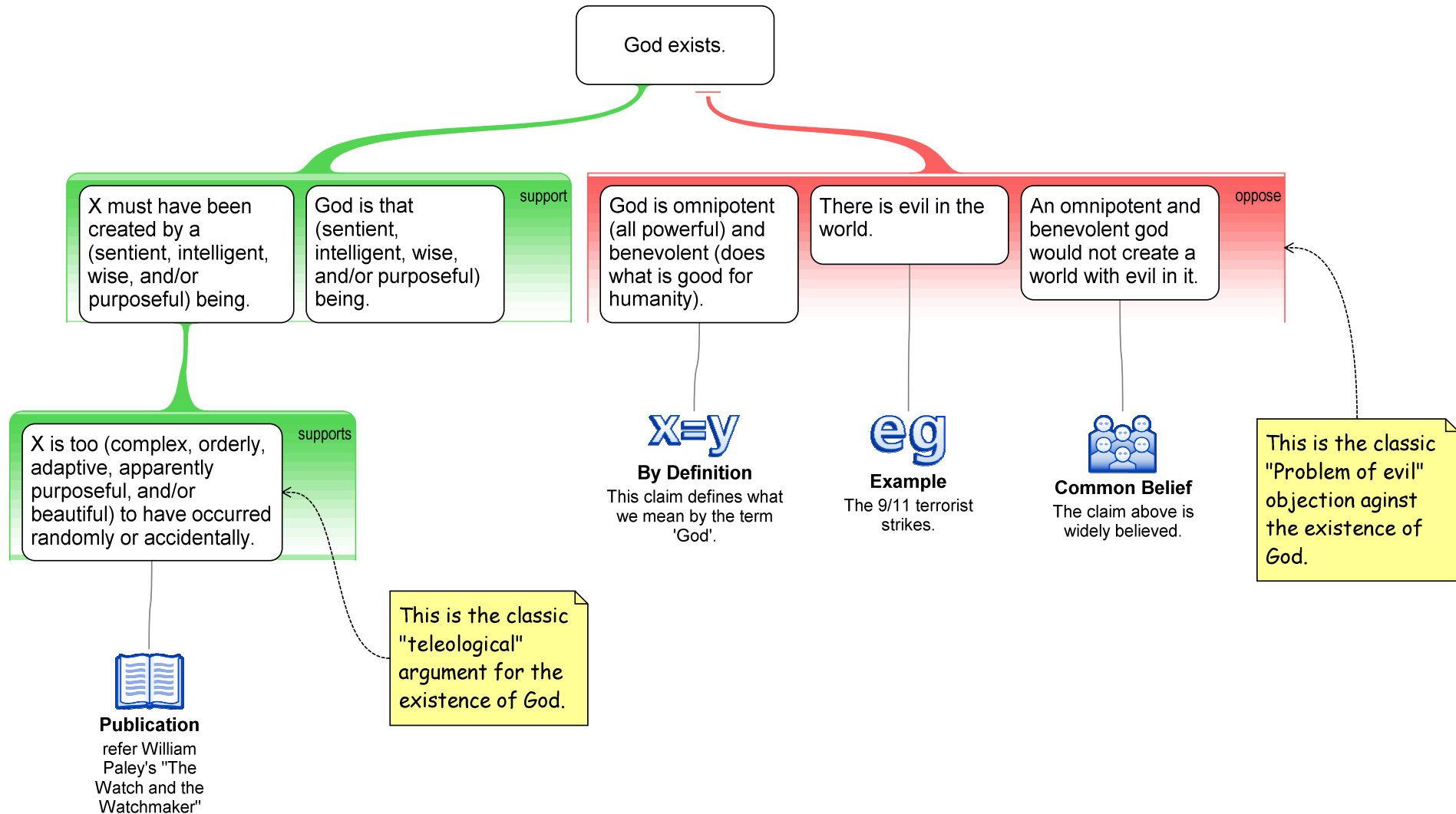


The Peloponnesian War: Key Personalities

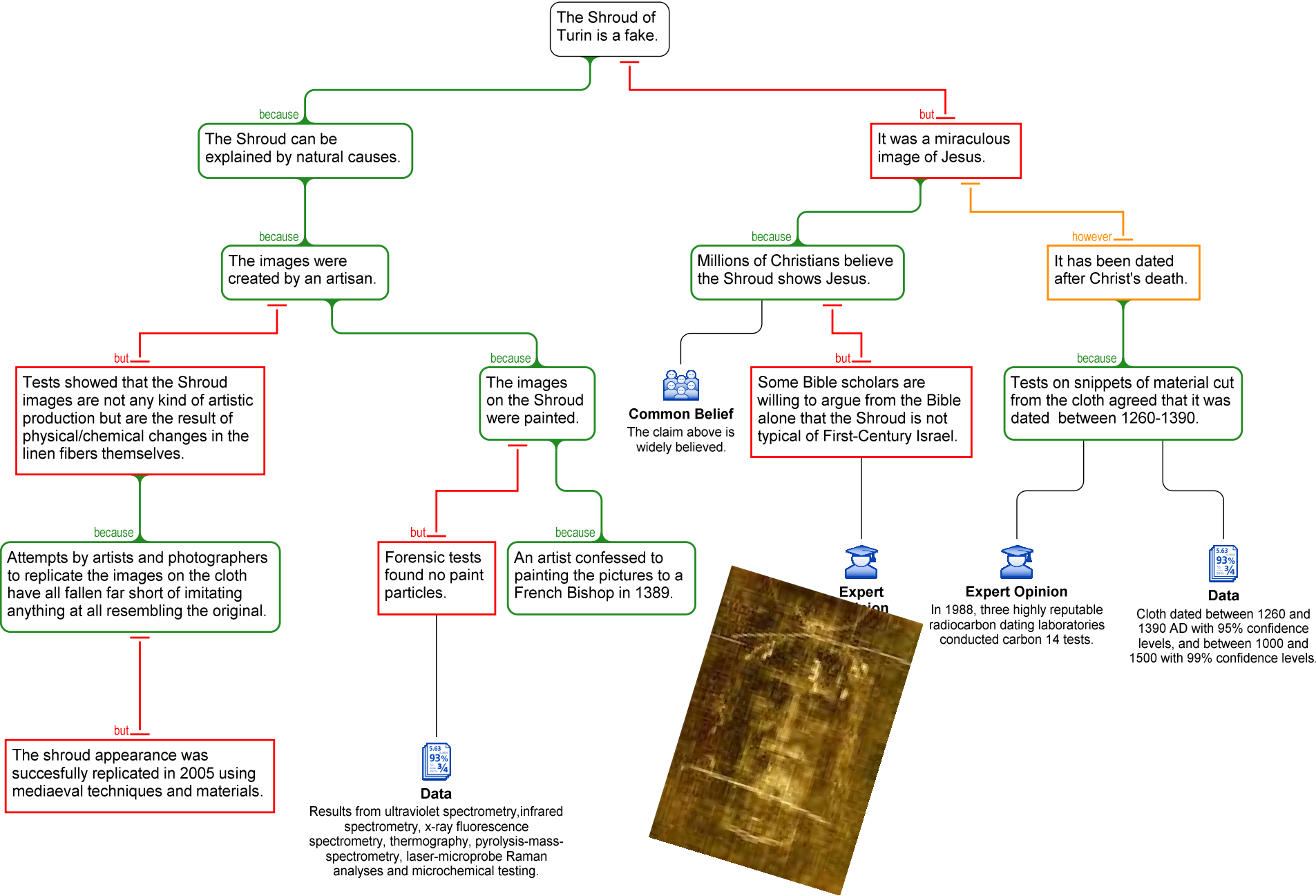


Religious Education

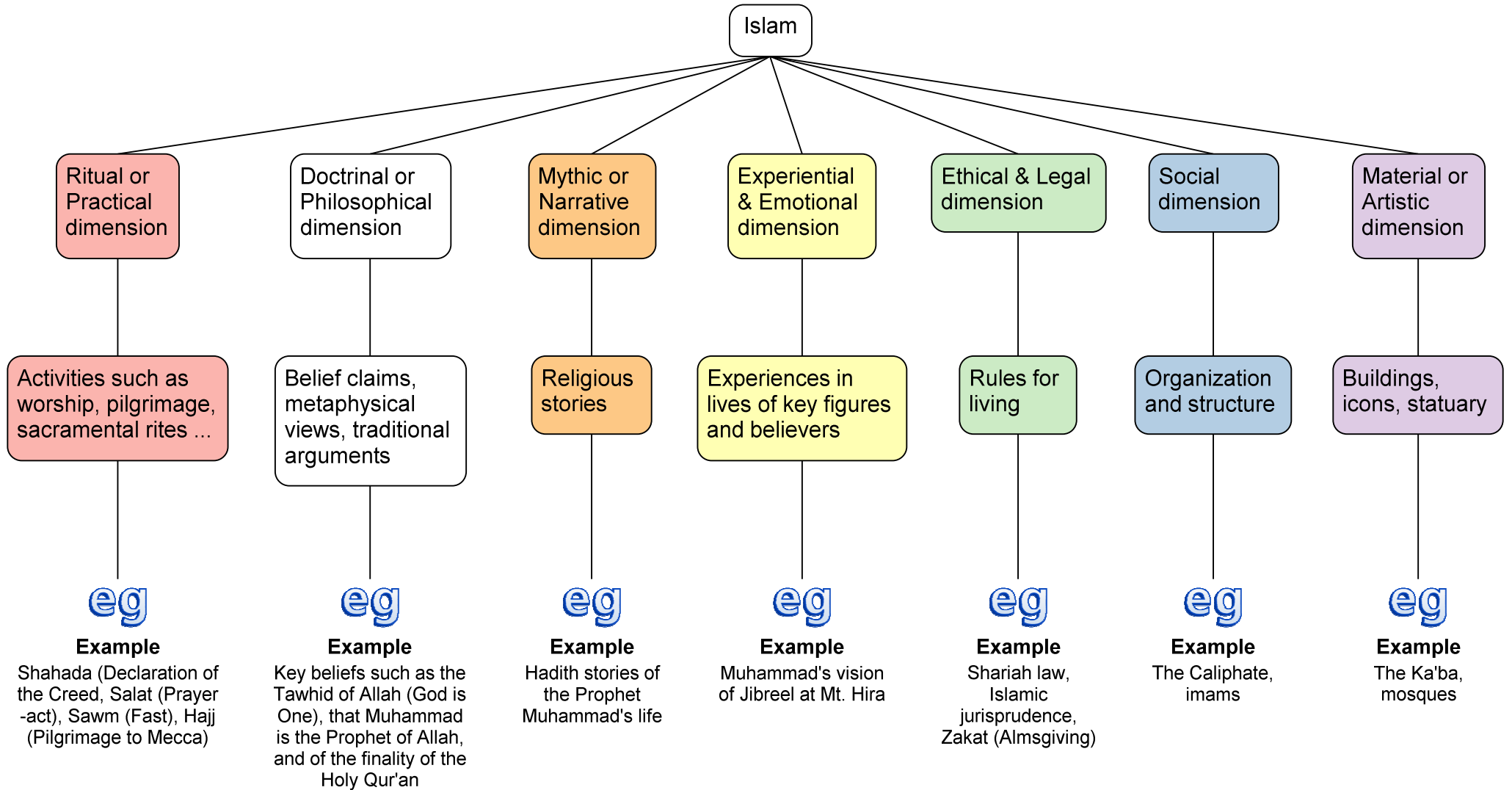
God Exists



The Shroud of Turin is a fake

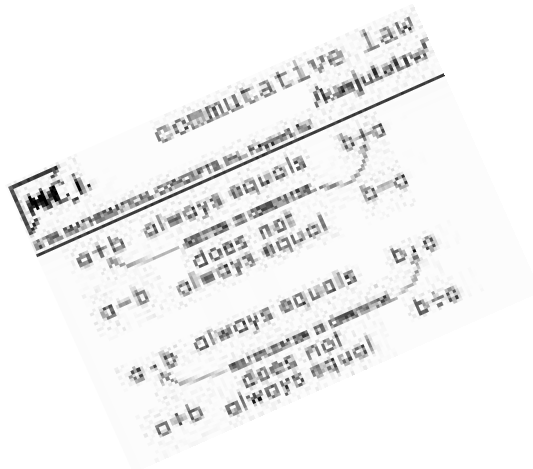
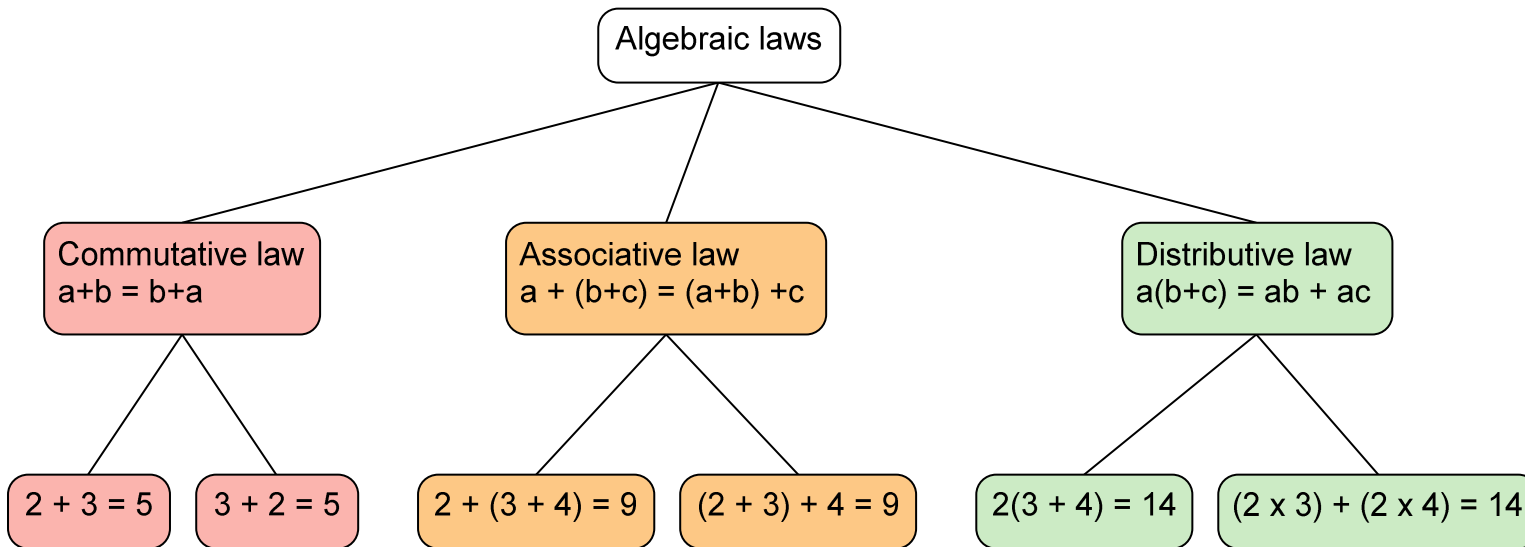


Seven dimensions of Islam



Science & Maths

Algebraic laws



The commutative law applies to all mathematical operations

but

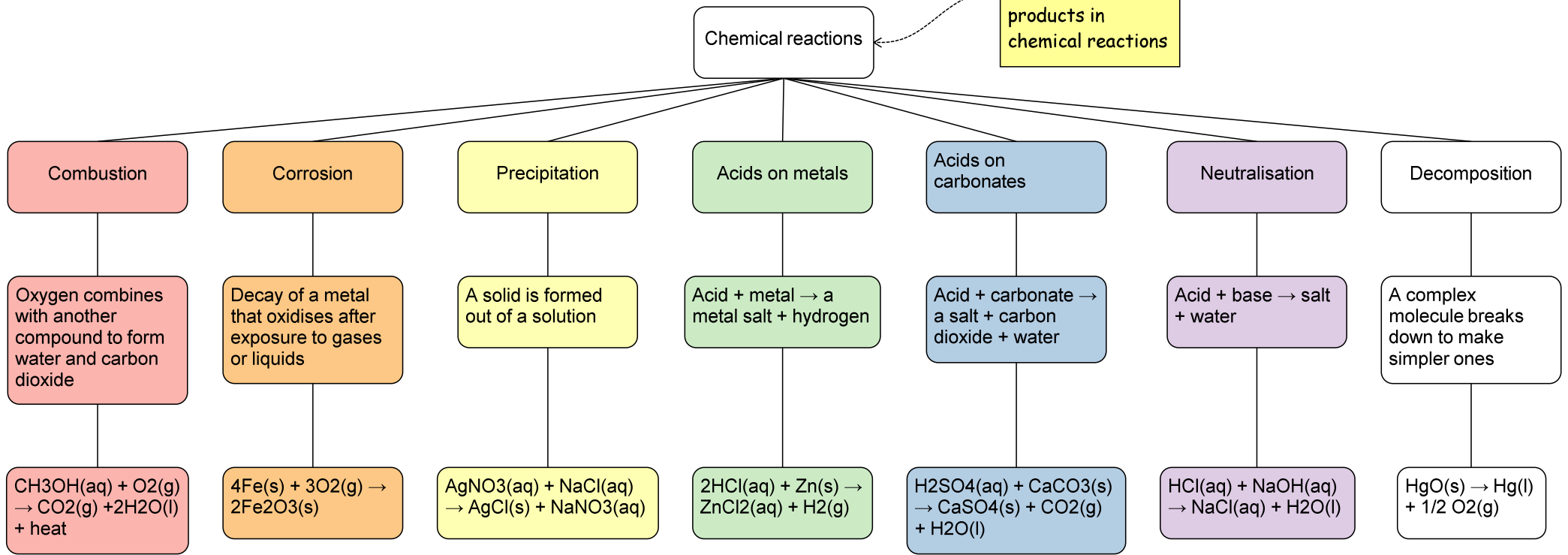
The commutative law doesn't apply for subtraction

eg

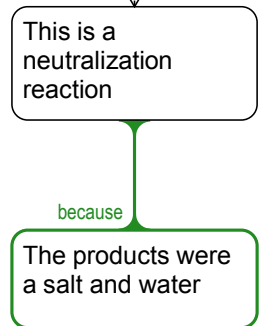
$3 - 2 = 1$ but $2 - 3 = -1$

Chemical reactions

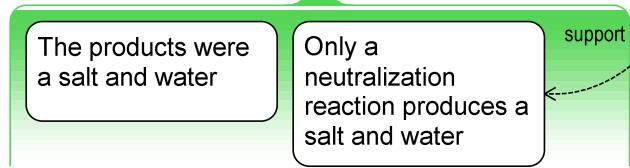
Qualitative description of reactants and products in chemical reactions



Experiment leads to this conclusion

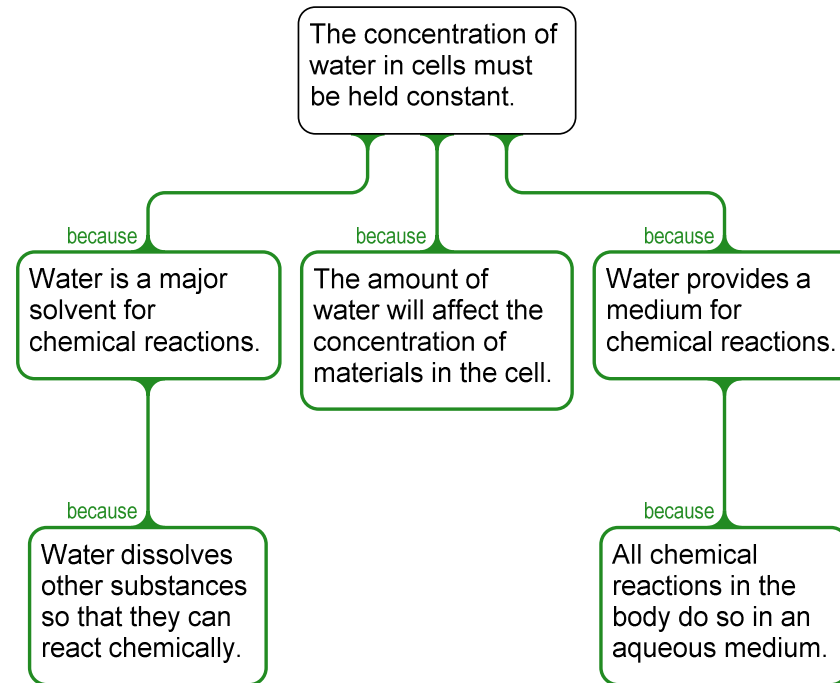
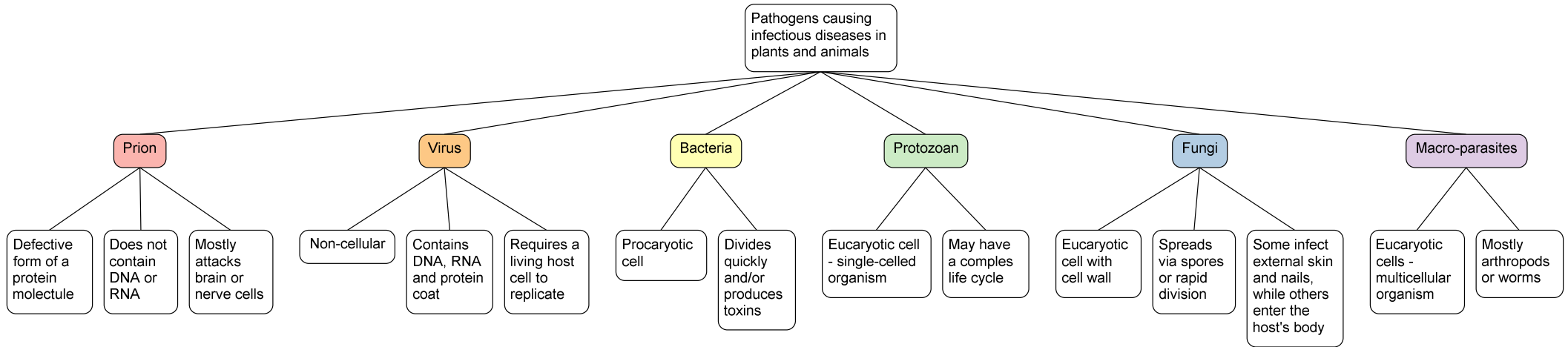


This is a neutralization reaction



An analysis map to show the assumption

Pathogens & cellular biology



The critical thinking process

1. Gather ideas

Global warming is an issue which has received unwarranted attention

There is world hunger

Climate change underlies all social, economic and political issues

It is an issue pushed by those with a vested interest

Climate change is the most important issue of the 21st century

Climate change adversely affects the sea, land and atmosphere

Scientific evidence illustrates the legitimacy for concern about global warming

Climate change adversely affects the environment

The environment is able to readily adapt to climate changes

A continued rate of global warming cannot sustain human life

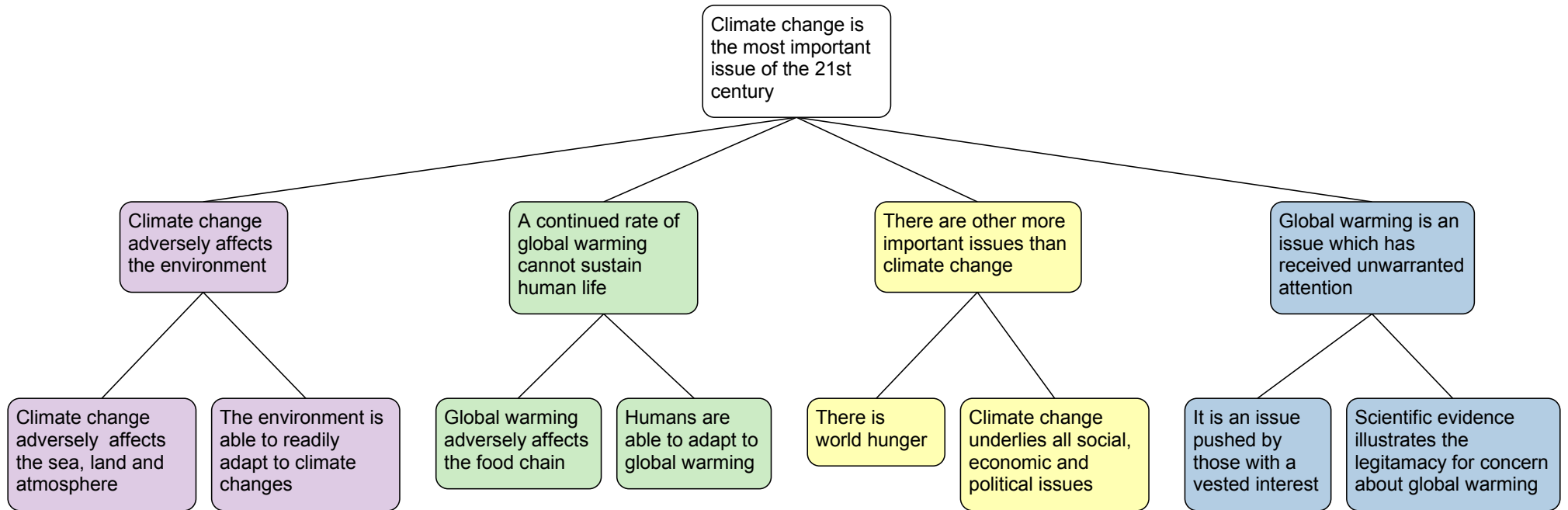
Issue: Climate change

Global warming adversely affects the food chain

Humans are able to adapt to global warming

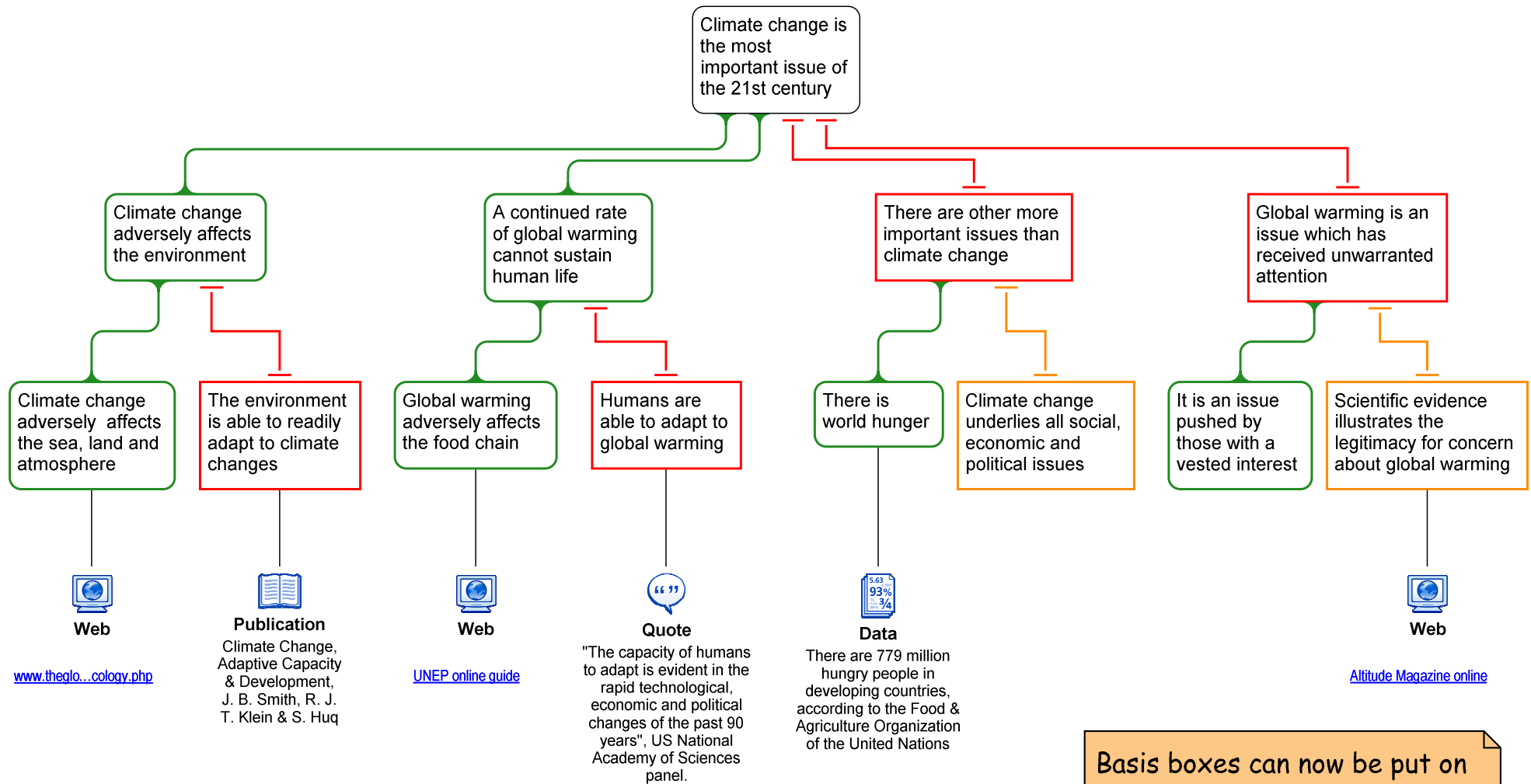
There are other more important issues than climate change

2. Structure ideas



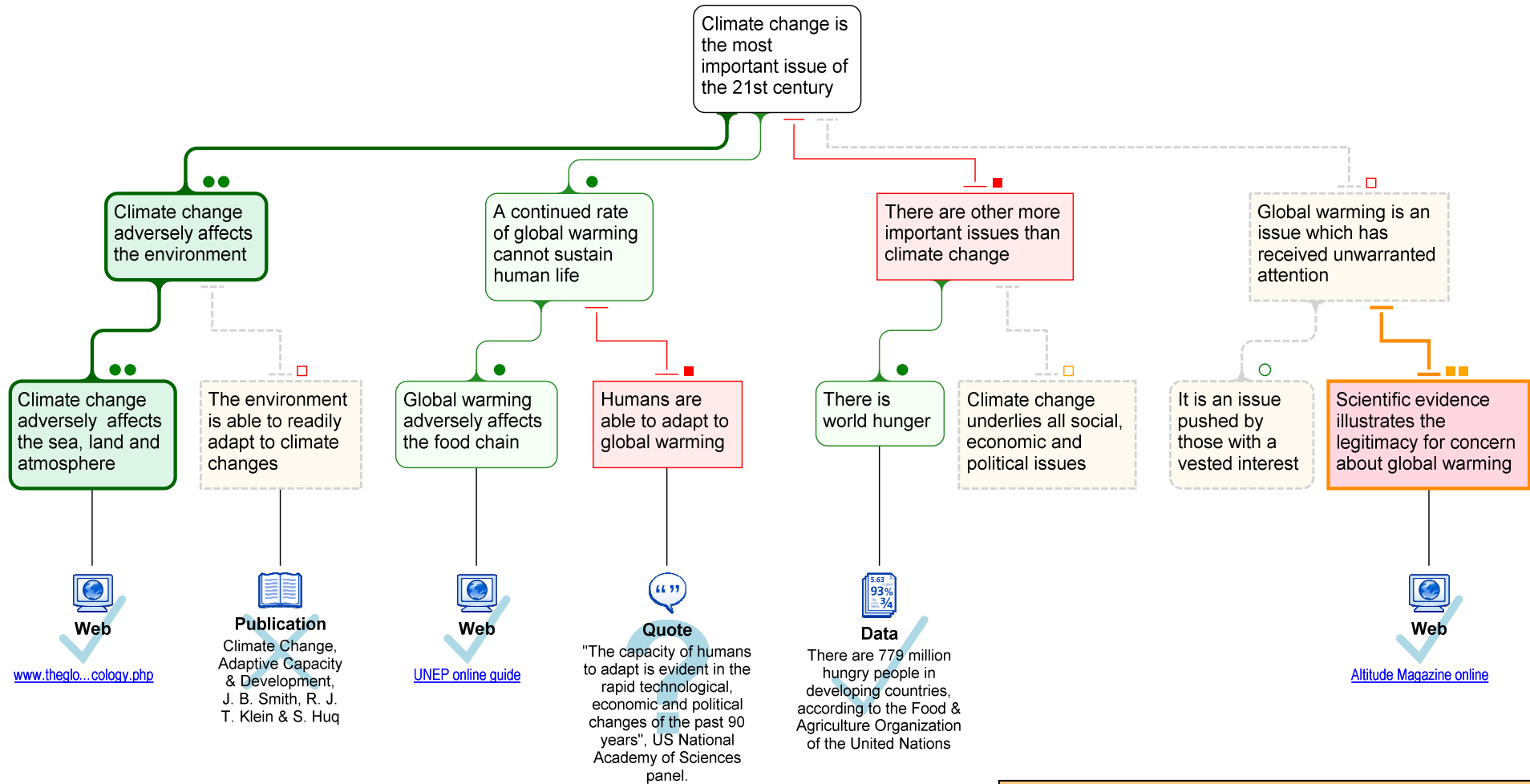
The boxes can be colour coded to help group similar ideas

3. Create an argument



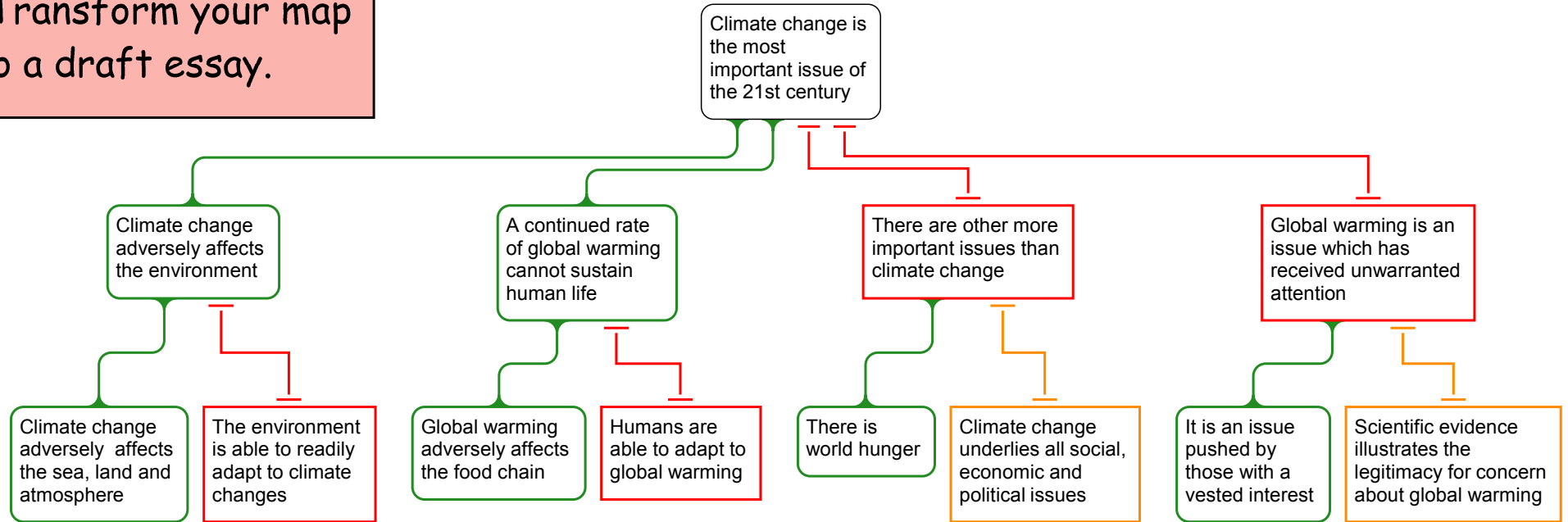
Basis boxes can now be put on the map to show the source of the information

4. Evaluate the argument

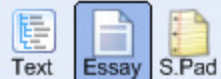


The position can be evaluated by deciding the strenght of each reason or objection. Then, by weighing up the reasons against the objections the main position can be accepted or refuted.

5. Transform your map into a draft essay.



Essay Preview



(Read only)

Export...

Enter a rebuttal to the objection

A rebuttal is an objection to an objection. It is a reason to reject another claim. [More help](#)

The question arises as to whether we should accept that **climate change is the most important issue of the 21st century**. This essay will consider a number of perspectives to determine whether to support or reject this contention.

One reason to accept that **climate change is the most important issue of the 21st century** is the suggestion that **climate change adversely affects the environment**. This reason is supported by the fact that **climate change adversely affects the sea, land and atmosphere**. An objection to the claim that **climate change adversely affects the environment** is that **the environment is able to readily adapt to climate changes**.

Another reason to believe that **climate change is the most important issue of the 21st century** is that **a continued rate of**

6. Write your essay.

Microsoft Word

Insert Format Tools Table Window Help

[Type your title here]

[Type your name here]

[What's the issue you are discussing? Give some context or background to the issue, for example, are you responding to something you have read in the media? Explain briefly to the reader why this issue is important.]

The question arises as to whether we should accept that climate change is the most important issue of the 21st century. This essay will consider a number of perspectives to determine whether to support or reject this contention. *[Provide an overview of the main reasons and objections that you will be discussing. State whether, on balance, the position statement should be accepted or rejected given your considerations that will follow.]*

One reason to accept that climate change is the most important issue of the 21st century is the suggestion that climate change adversely affects the environment. *[Explain this in more detail if necessary.]* This reason is supported by the fact that climate change adversely affects the sea, land and atmosphere. *[Discuss this supporting reason by providing an example, or discussing the basis for the claim.]* An objection to the claim that climate change adversely affects the environment is that the environment is able to readily adapt to climate changes. *[Discuss your evaluation of this objection; for example, is it a strong or weak objection or does it provide no basis for rejecting Reason 1? Finally, evaluate the first reason to determine whether on balance, it provides a good reason to support the position. This will depend on how strong or weak you think the supporting reason and objection is.]*

Another reason to believe that climate change is the most important issue of the 21st century is that a continued rate of global warming cannot sustain human life. This is based on the idea that global warming adversely affects the food chain. *[Explain this in more detail if necessary and consider your evaluation of this supporting reason.]* Nonetheless, the opposing view that humans are able to adapt to global warming provides an interesting alternative to consider. *[Explain this in more detail.]* On balance, it seems more reasonable to [accept / reject] *[delete whichever is not applicable]* this position. *[Explain why you have made this evaluation. For example, is the reason stronger than the objection? Is there an example or evidence that provides greater strength to one line of argument more than the other? Then consider whether Reason 2 provides support for the position statement.]*

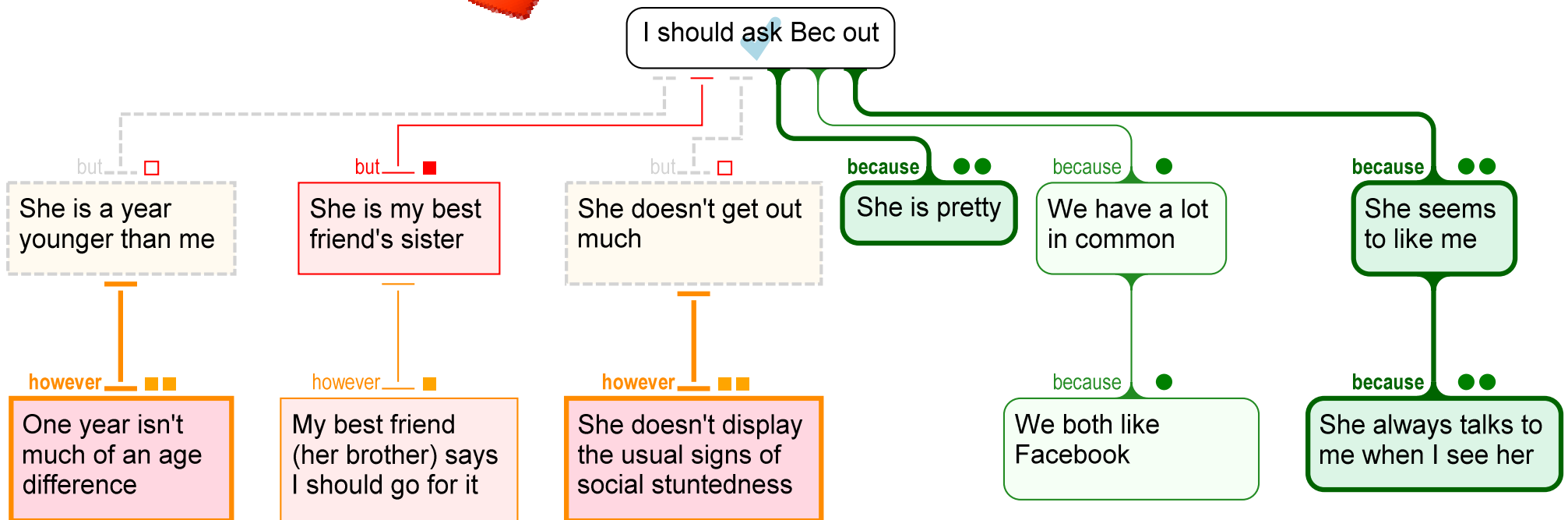
And, a consideration against the issue that climate change is the most important issue of the 21st century is that there are other more important issues than climate change. *[If you can think of someone who has made this claim refer to him/her. You may even provide a quote or example.]* For example, world hunger is supported by the claim that there is world hunger. *[You can put a relevant example or an explanation of this here, or provide further support for the claim.]* Nevertheless, the rebuttal that climate change underlies all social, economic and political issues must be considered to determine whether the objection is indeed acceptable. *[Provide an evaluation of the claims and whether you think there is good support for the objection. Then consider whether the objection provides a basis to reject the position.]*

Finally, there is another significant objection to the claim that climate change is the most important issue of the 21st century: global warming is an issue which has received unwarranted attention. *[Explain this in more detail if necessary, making reference to the person who has made the claim.]* To support this view is the reason that it is an issue pushed by those with a vested interest. *[Explain this providing further explanation, an example or quote.]* In

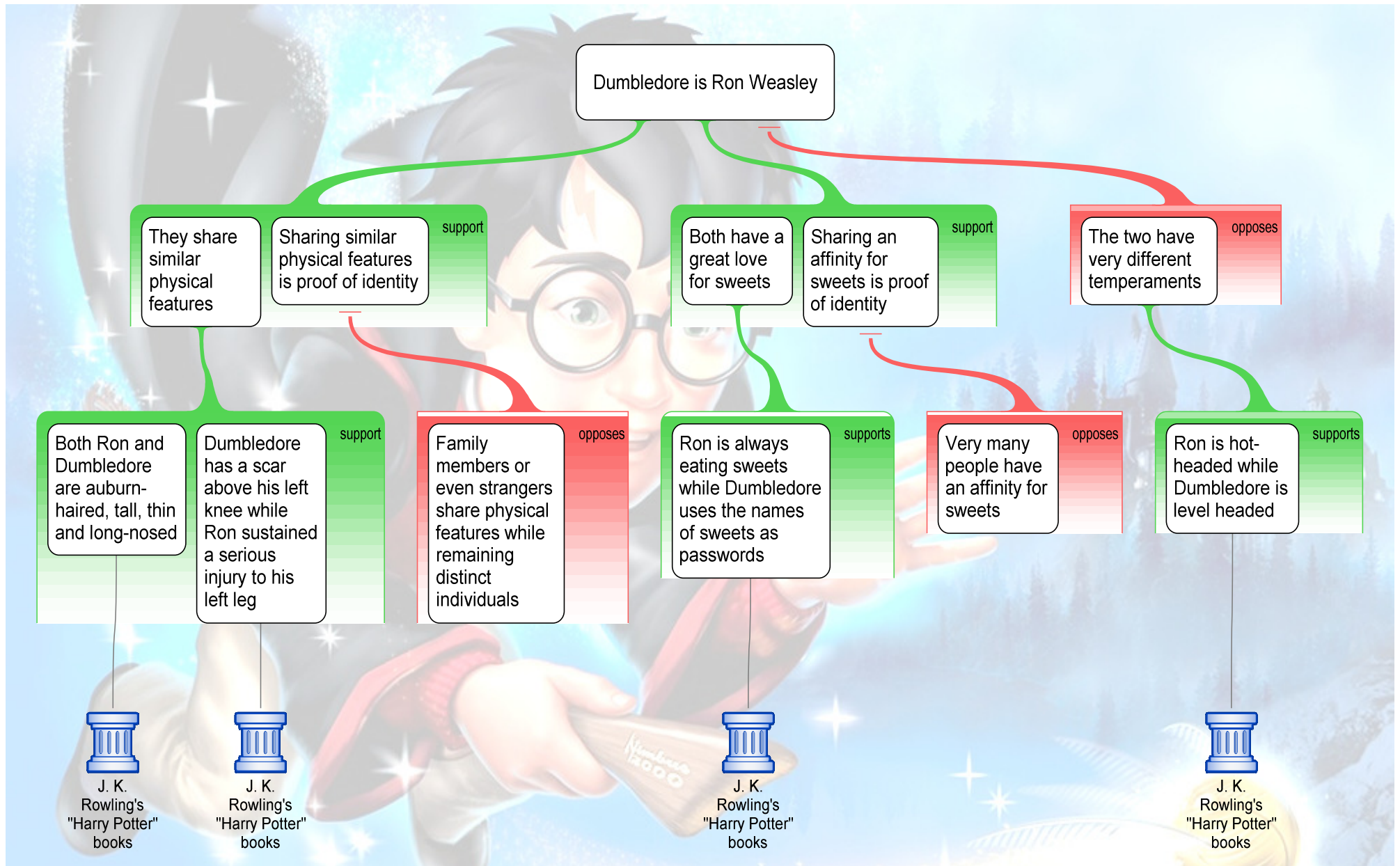
The essay can be exported to a word document, where you will find tips on completing your essay and points that need to be checked before the essay is handed in.

Use the information from your basis boxes and evaluation to flesh out your essay.

Just for Fun!



Harry Potter conspiracy theory



Zombies should have rights



Zombies should have rights



Zombies are the same species as humans

Members of the same species should have the same rights

When zombies turn people into zombies, those people still live as zombies

This means zombies are not a threat

If Zombies are not a threat, they should have rights

Zombies are dead people

Dead people do not have rights

They have the physical form of a person

Things with the same physical form are the same species

Zombies cannot give birth to young as the result of mating with humans

To be the same species, two members need to be able to reproduce

Zombies are fundamentally different from the people they once were

Zombies still move around

Dead people do not move around

Zombies still have brain activity

People with brain activity are not dead

Zombies reproduce by biting people

Rationale: www.RationaleOnline.com

Rationale is a program of ReasoningLab

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