Concept Maps vs Mind Maps

AÇÃO DE FORMAÇÃO: MÉTODOS E TÉCNICAS NA AULA DE GEOGRAFIA

ANA CRISTINA CÂMARA

MARIA HELENA MAGRO

Concept Maps

Definition

- A concept map or conceptual diagram is a diagram that depicts suggested relationships between concepts. It is a graphical tool that instructional designers, engineers, technical writers, and others use to organize and structure knowledge.

Visual Structure

- A concept map typically represents ideas and information as boxes or circles, which it connects with labeled arrows in a downward-branching hierarchical structure. The relationship between concepts can be articulated in linking phrases such as causes, requires, or contributes to.
- One thing that makes concept maps different than mind maps is that a topic can have multiple parents and children. That makes it ideal for modeling complex relationships between pieces of information.
- The main application of concept mapping is knowledge representation.

CFPOR

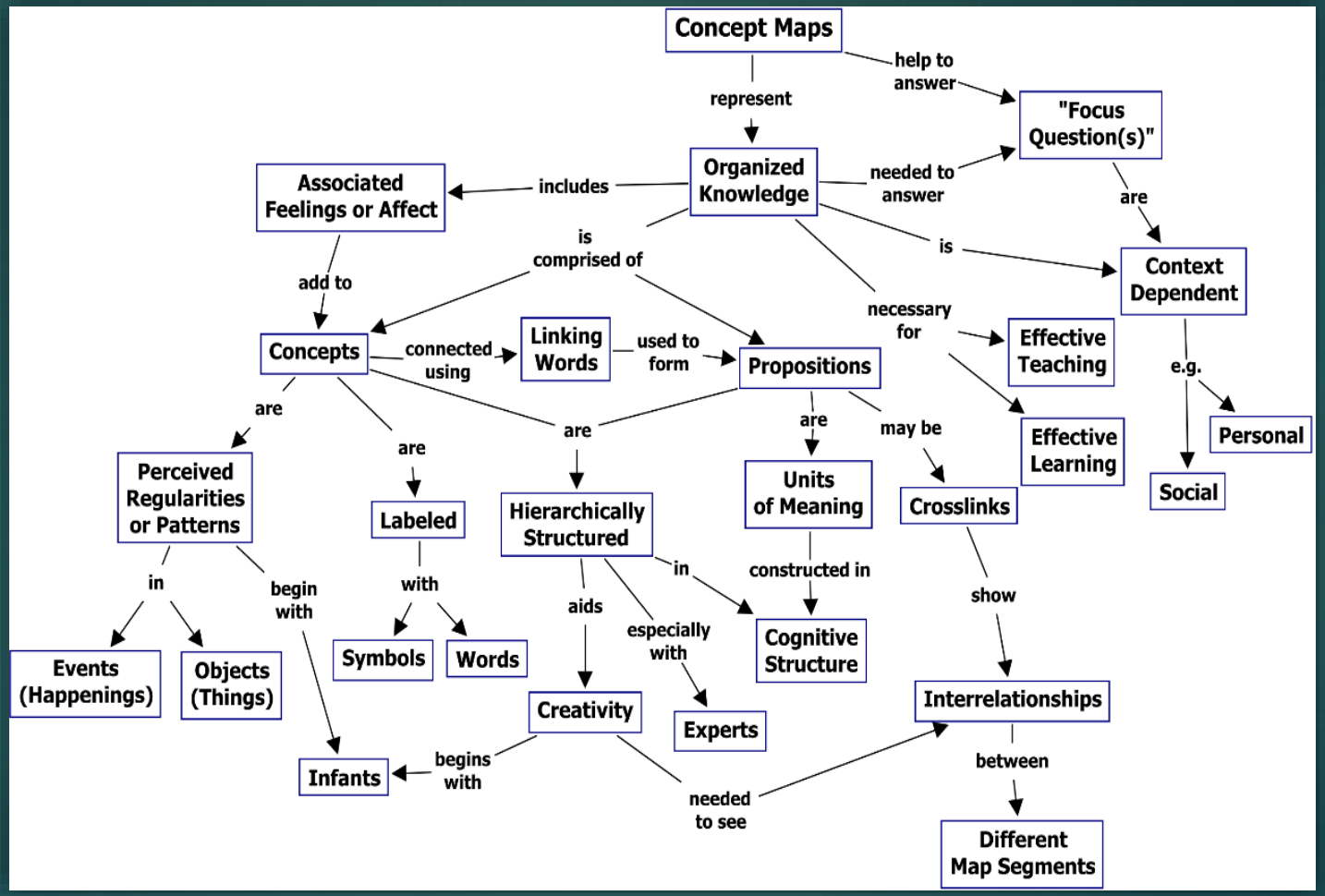
Characteristics of concept maps:

- Are commonly used to organize and represent tacit knowledge.
- Usually contain general concepts at the top of the map, with more specific concepts arrayed hierarchically below.
- Connector lines usually contains keywords or phrases that summarize the relationship between the topics they connect. Such as topic a “causes” topic B.

Characteristics of concept maps:
(Continuation)

- Topics may be cross-linked with each other to depict more complex relationships between topics. Topics in mind maps may only have one parent; in a concept map, a topic may have multiple connector lines, each one representing a different relationship.

Concept Map


Concept Maps
represent
help to answer
"Focus Question(s)"
Organized Knowledge
includes
Associated Feelings or Affect
needed to answer
are
is
Context Dependent
is comprised of
add to
Concepts
connected using
Linking Words
used to form
Propositions
necessary for
Effective Teaching
Effective Learning
e.g.
Personal
Social
are
are
are
are
may be
Perceived Regularities or Patterns
Labeled
Hierarchically Structured
Units of Meaning
Crosslinks
in
begin with
with
aids
in
constructed in
show
Events (Happenings)
Objects (Things)
Symbols
Words
especially with
Cognitive Structure
Creativity
Experts
Interrelationships
begins with
Infants
needed to see
between
Different Map Segments

Mind Maps

Definition

- A mind map is a diagram used to visually organize information. A mind map is hierarchical and shows relationships among pieces of the whole.
- It is often created around a single concept, drawn as an image in the center of a blank page, to which associated representations of ideas such as images, words and parts of words are added.
- Major ideas are connected directly to the central concept, and other ideas branch out from those.

Visual Structure

- A central topic declares the subject of the mind map. First-level topics, sometimes known as “basic ordering ideas,” define the scope of the topic to be covered by the mind map.
- Sub-topivcs radiating from them are known as “child topics.” A mind map may contain as many layers of topics and subtopics needed to met the mind map’s purpose.
- Topics may be embellished with shape colors, fonts, size and ciolor. In addition, icons and images can be attached to mind maps.

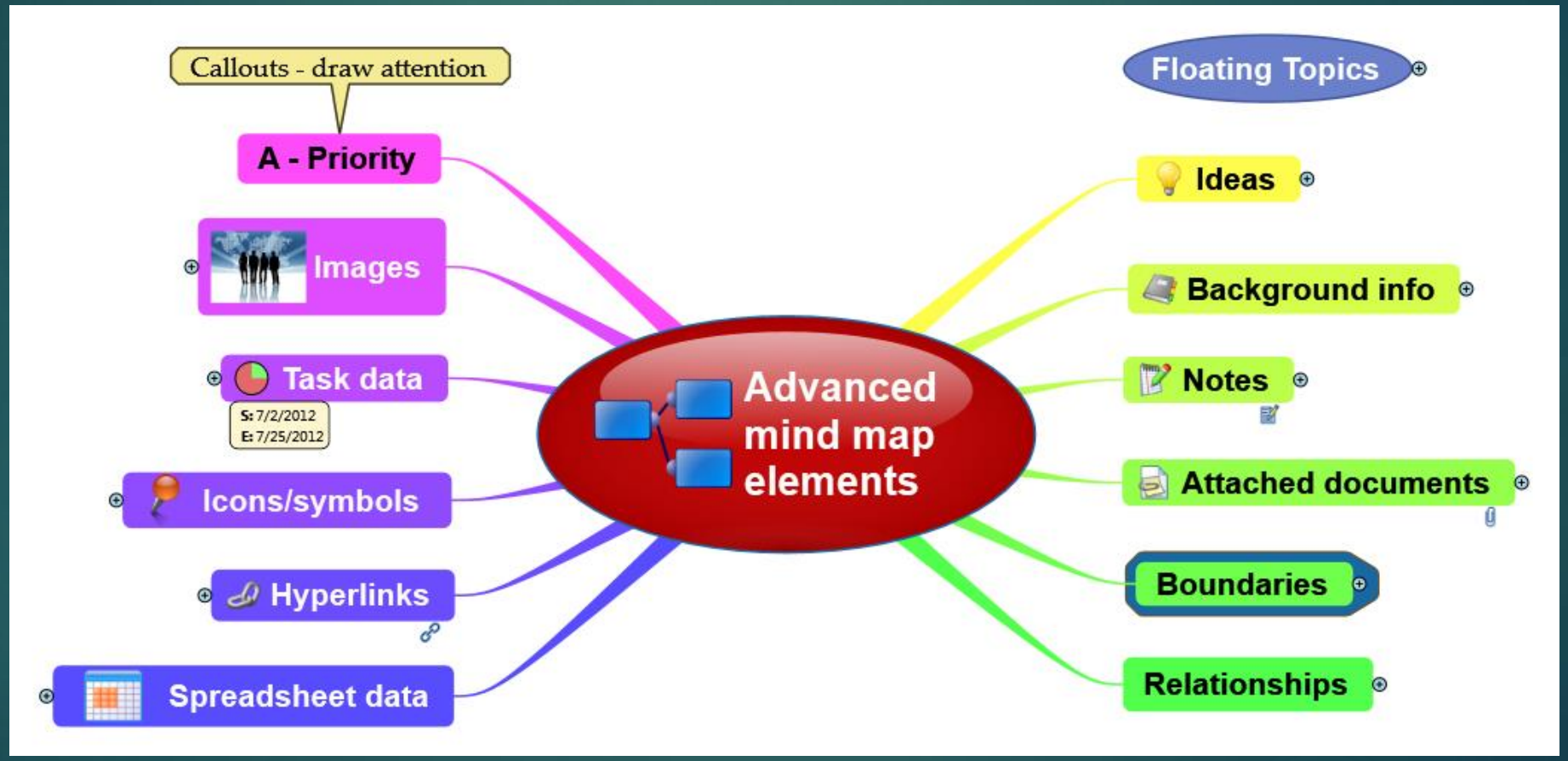
CFPOR

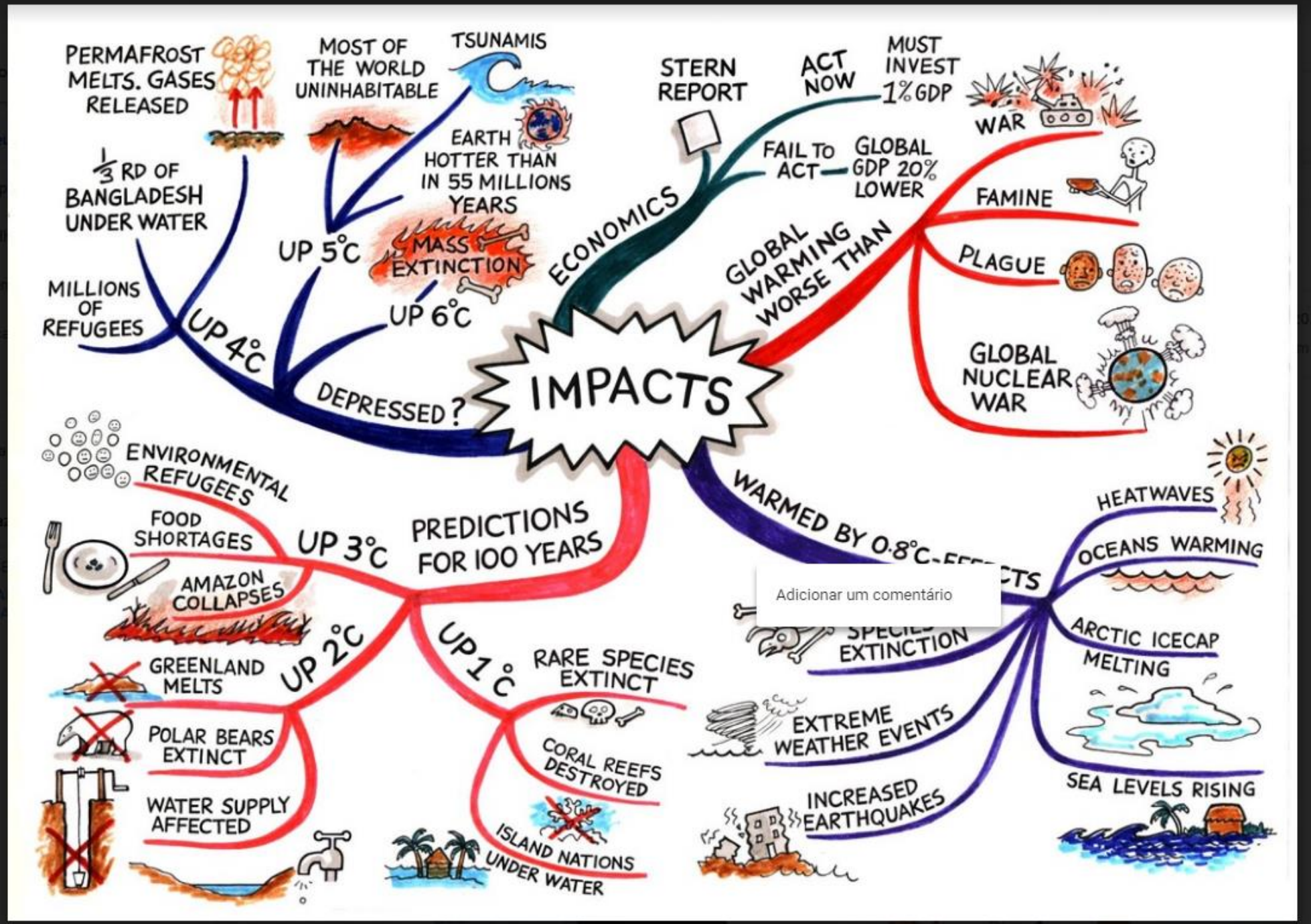
Characteristics of mind maps

- Tend to be more flexible and personal than concept maps.
- Are used to slice and dice the map's central topic or concept in multiple ways.
- May contain images and color, to make them more visually stimulating
- Topics may only have a single parent

CFPOR

Mind Map

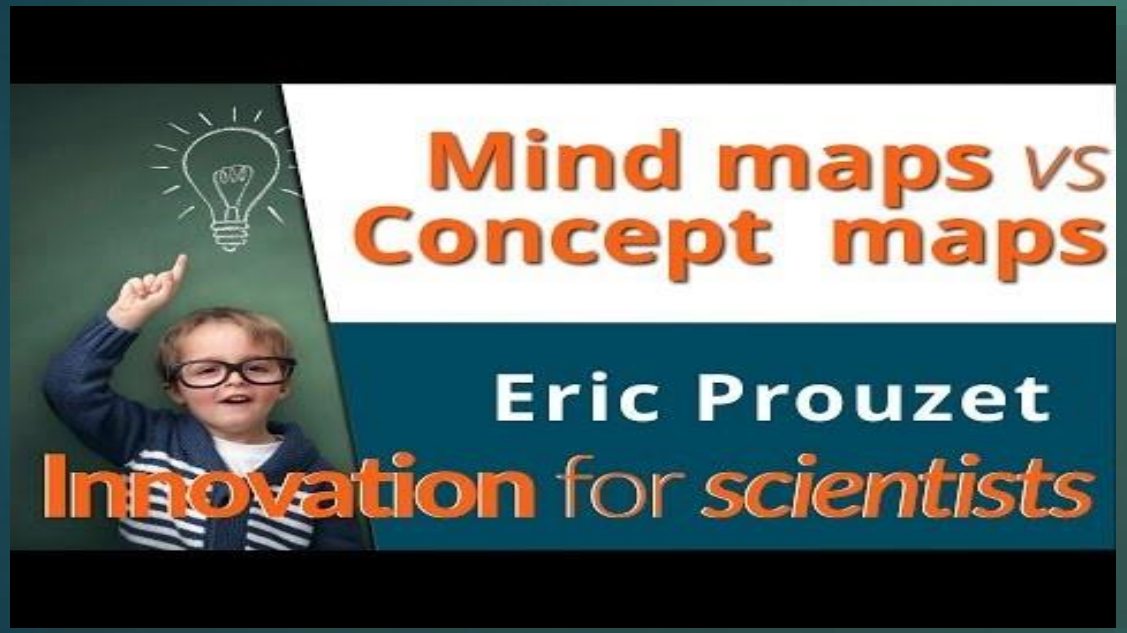

Callouts - draw attention
A - Priority
Images
Task data
S: 7/2/2012
E: 7/25/2012
Icons/symbols
Hyperlinks
Spreadsheet data
Advanced mind map elements
Floating Topics
Ideas
Background info
Notes
Attached documents
Boundaries
Relationships



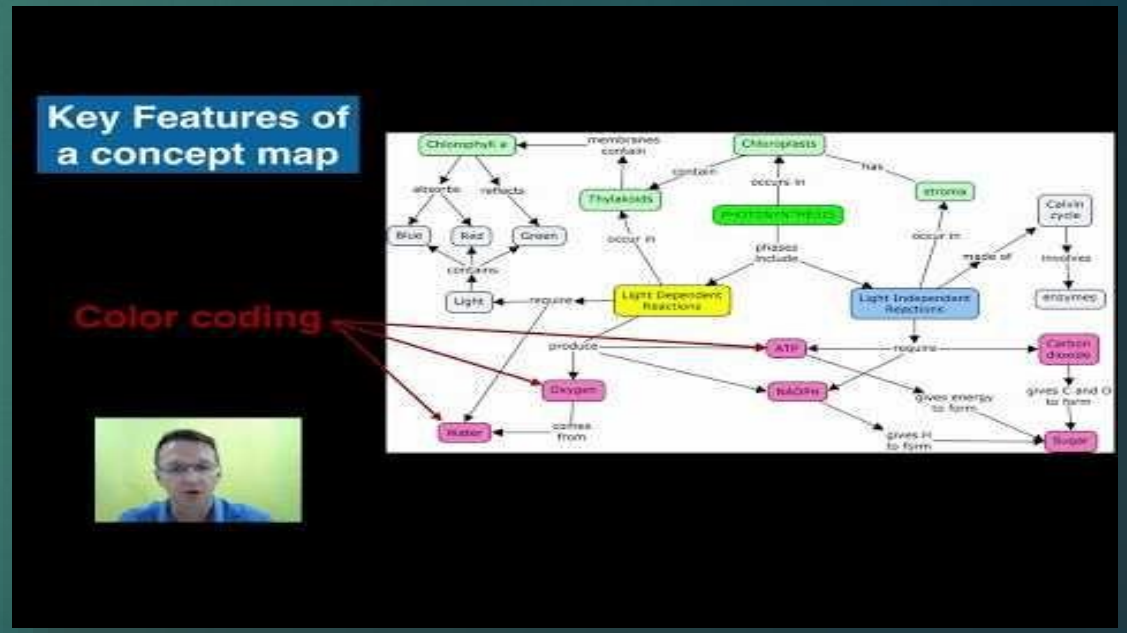
Adicionar um comentário

Links to concept maps and mind maps

Comparation between concept maps and mind maps



About concept maps



Webgrafia

- mindmap vs conceptmap
- https://app.mindmup.com/map/new/1524756293914

- https://www.mindmup.com/#storage
- http://www.ideaphora.com/teacher-resources/
- https://cmapcloud.ihmc.us/