Concept Maps

PER Session 1, ITW2019

What are concept maps?
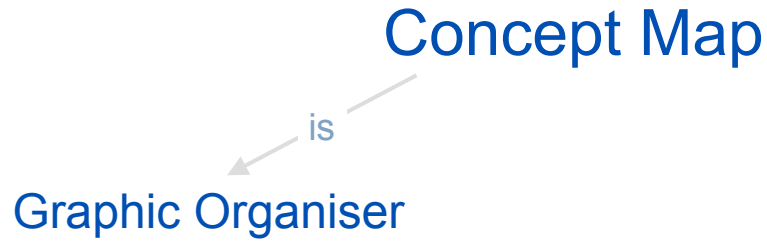
What are concept maps?
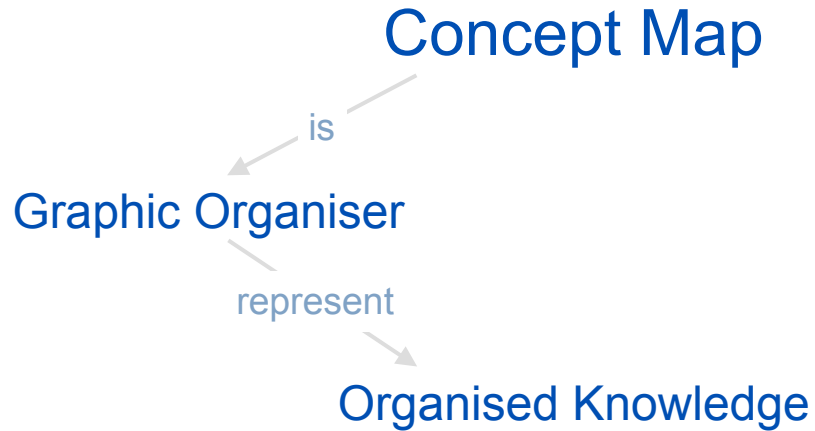
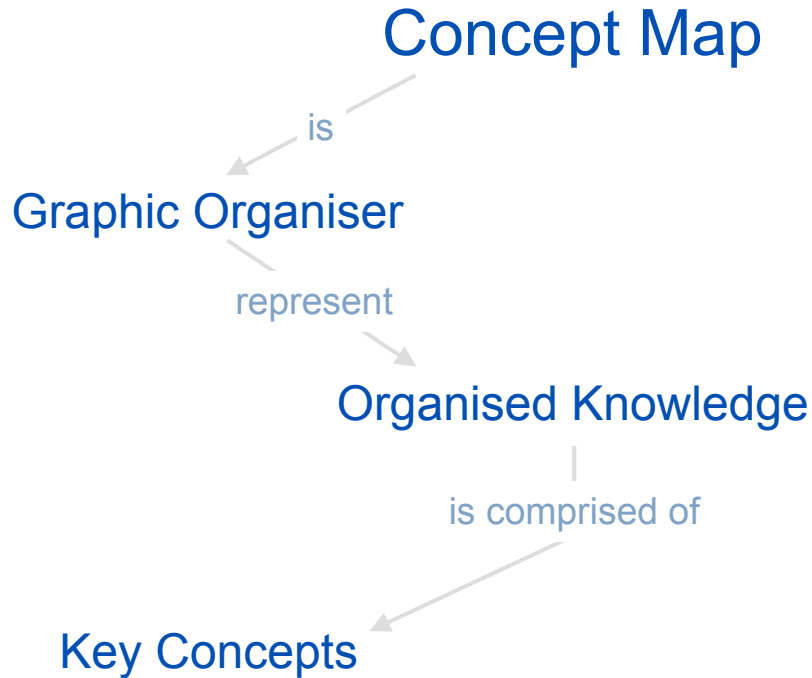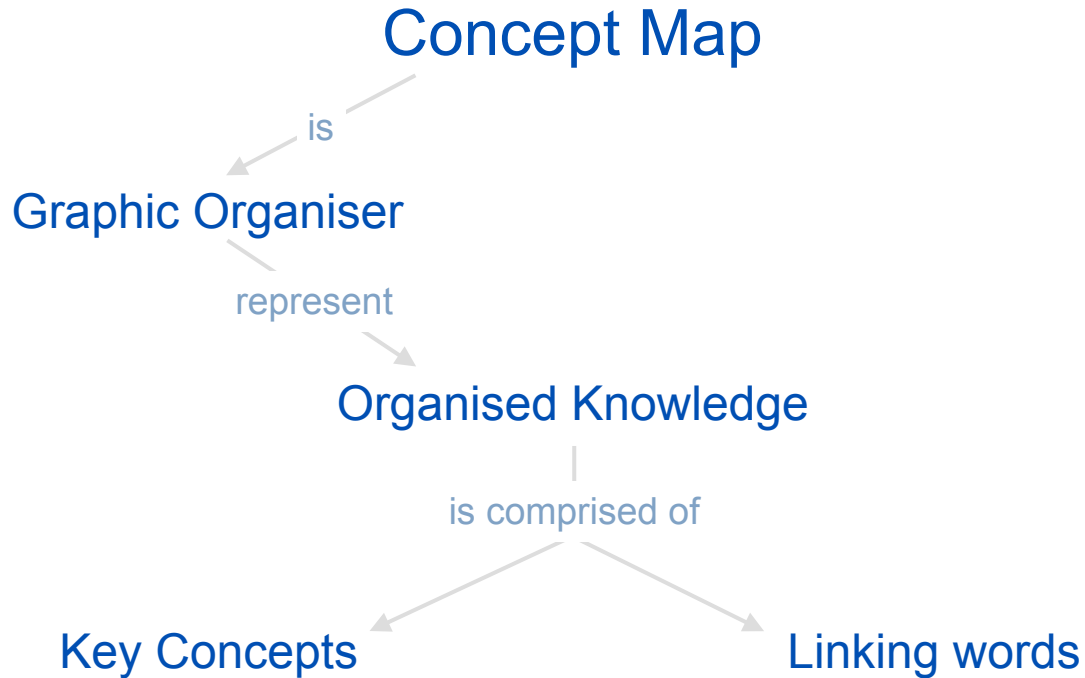Concept Map

What are concept maps?

Concept Map

is

Graphic Organiser

What are concept maps?

Concept Map

is

Graphic Organiser

represent

Organised Knowledge

What are concept maps?

Concept Map

is

Graphic Organiser

represent

Organised Knowledge

is comprised of

Key Concepts

What are concept maps?

Concept Map

is

Graphic Organiser

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Key Concepts   Linking words

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Organised Knowledge

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Key Concepts — *connected with* → Linking words

are in
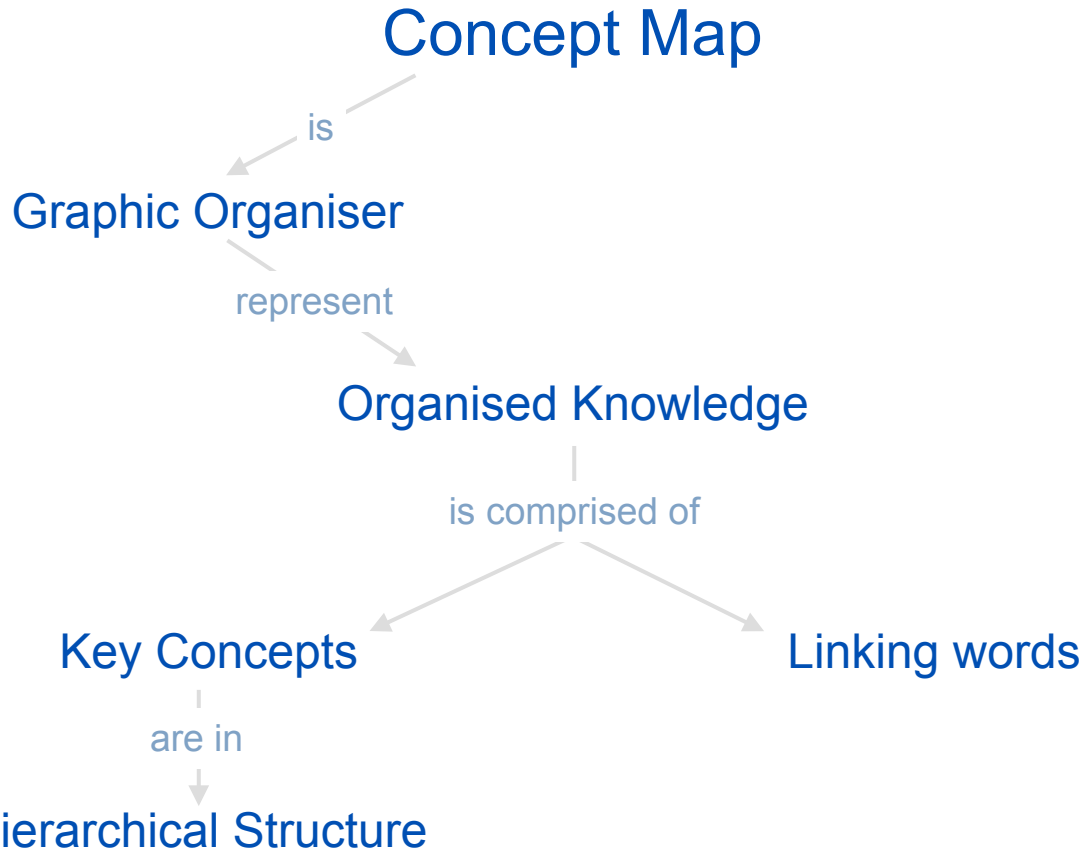
Hierarchical Structure

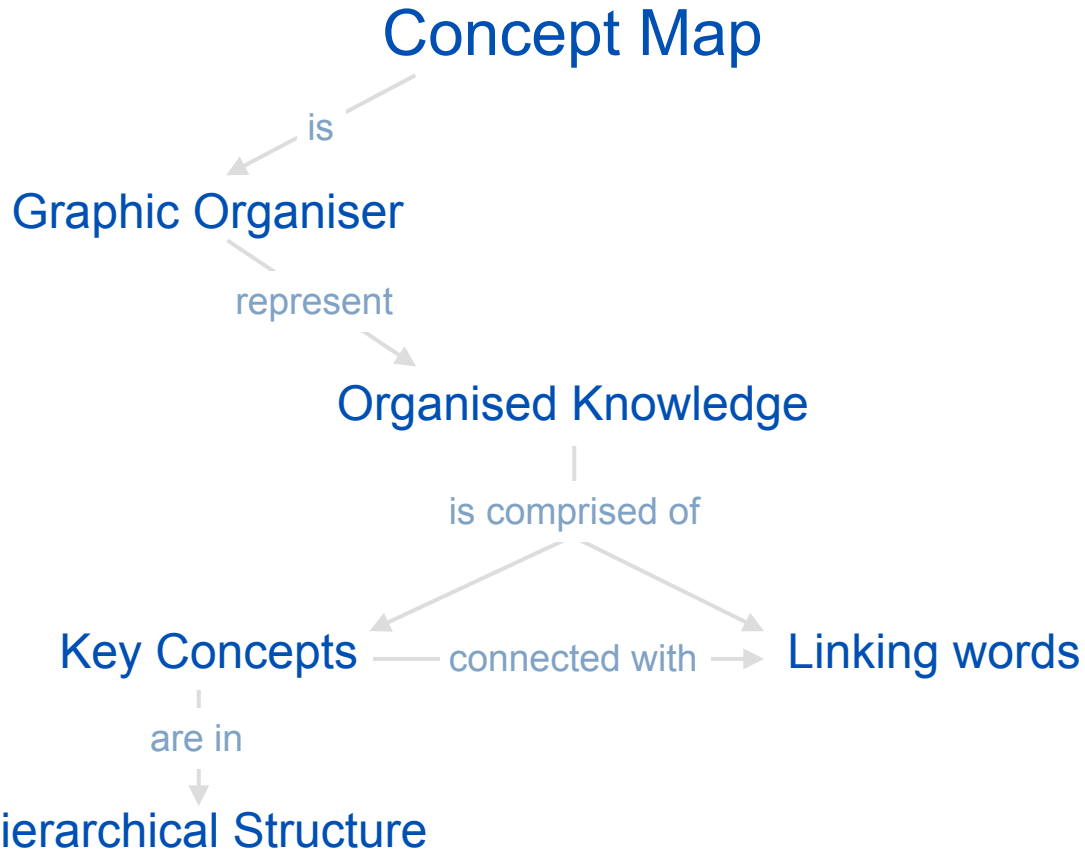# What are concept maps?

What are concept maps?

Concept Map

Concept Map —is→ Graphic Organiser

Concept Map —starts with→ Focus Question

Graphic Organiser —represent→ Organised Knowledge

Organised Knowledge —is comprised of→ Key Concepts

Organised Knowledge —is comprised of→ Linking words

Key Concepts —connected with→ Linking words

Key Concepts —are in→ Hierarchical Structure

Linking words —e.g.→ is

Linking words —e.g.→ consist of

Linking words —e.g.→ contribute

What are concept maps?

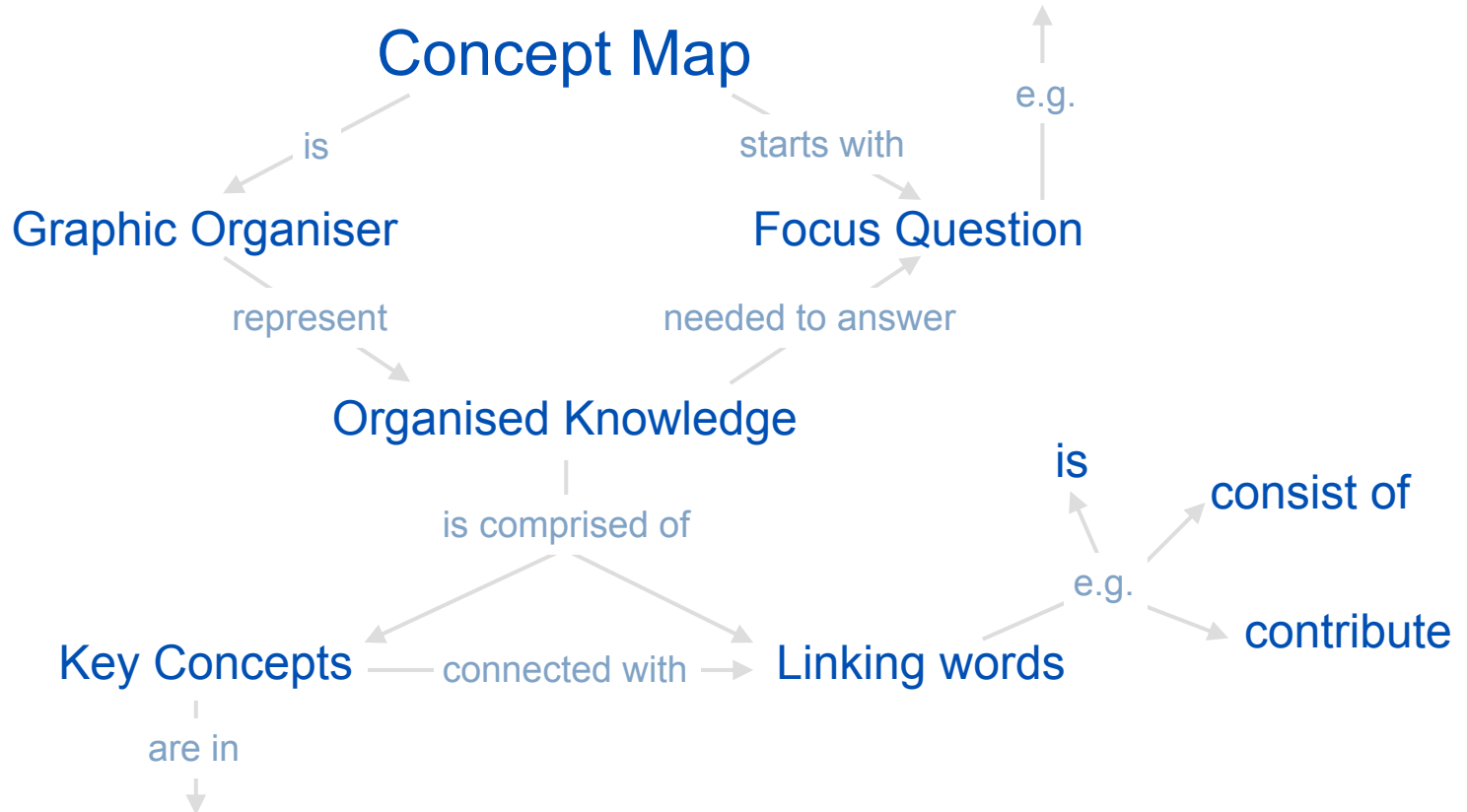# What are concept maps?

Constructing concept maps

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1. Focus question (e.g. What is a plant?)

Constructing concept maps

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2. Three to five key concepts

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Plant

Roots   Flower

Leaves   Sun

Constructing concept maps

1. Focus question (e.g. What is a plant?)

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3. Connect with arrowed lines and linking words

Plant

Roots   Flower
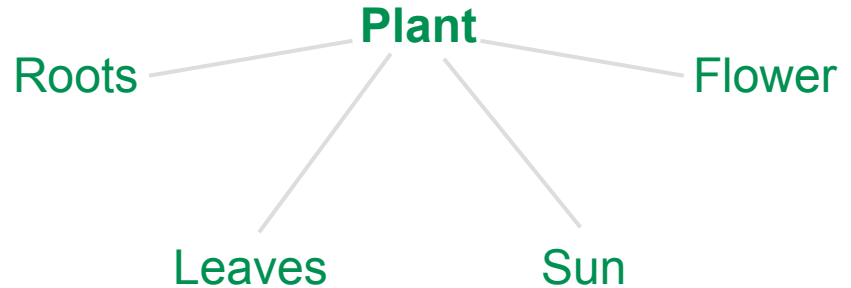
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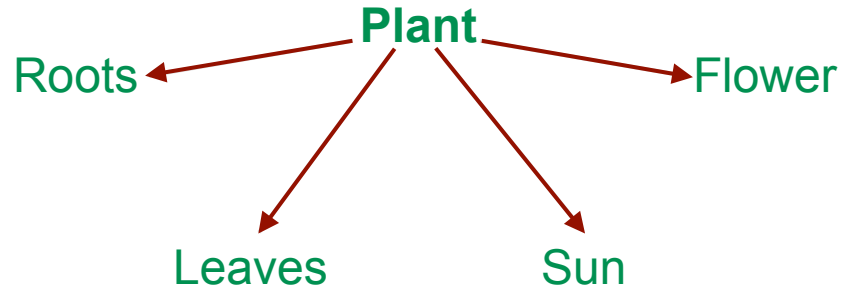3. Connect with arrowed lines and linking words

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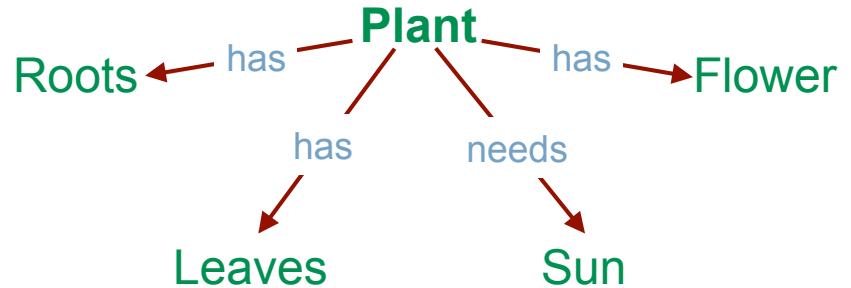3. Connect with arrowed lines and linking words
4. Expand

Roots ← has — **Plant** — has → Flower

has ↓   needs ↓

Leaves   Sun

Constructing concept maps

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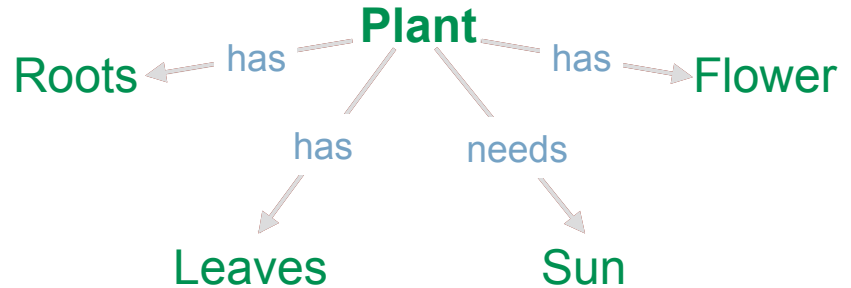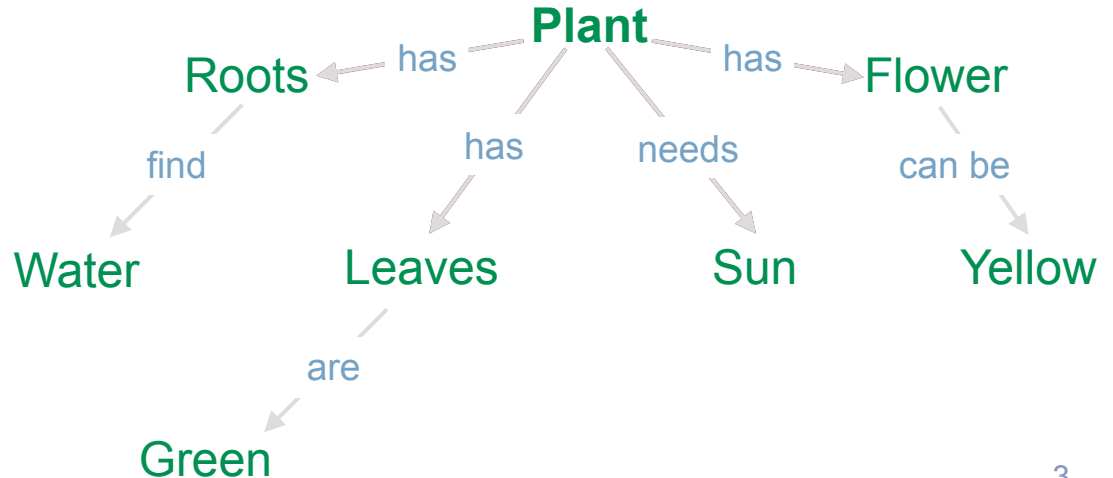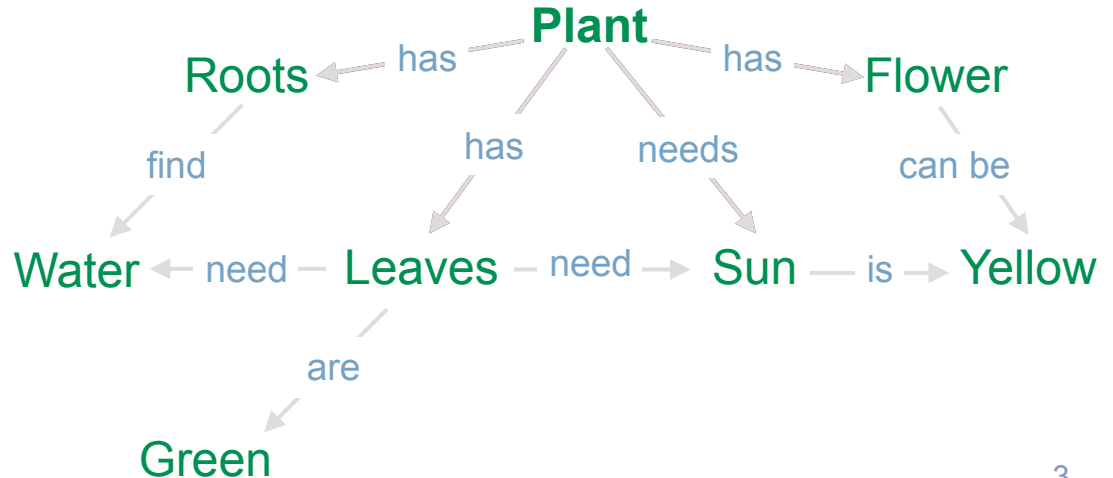# Constructing concept maps

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I need your help!

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Before you start, please answer the three questions on the top right.

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1. PERSONAL CODE		
First letter of **your** first name	(e.g. Colin = C)	
Second letter of your **mother's** first name	(e.g. Kathy = A)	
Third letter of your **mother's** first name	(e.g. Kathy = T)	
Last digit of **your** year of birth	(e.g. 1964 = 4)	

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2. How would you rate your English skills?	Good	
	Very good	
	Excellent	

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3. Is particle physics featured in your current curriculum?

Not at all	☐	☐	☐	☐	☐	☐	Extremely

What would you like your students to know about CERN and particle physics?

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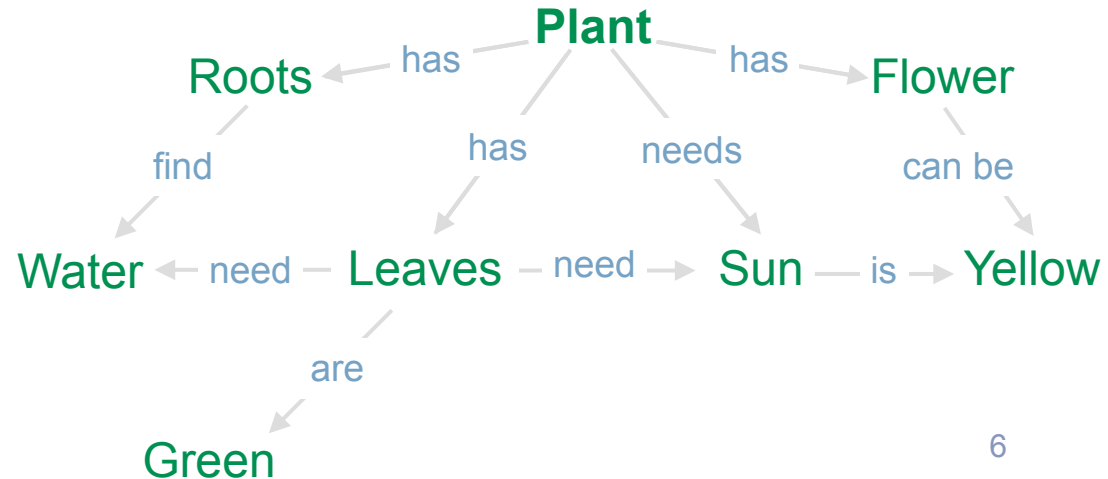
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Thank you for your participation!

cern.ch/anjakranjchorvat