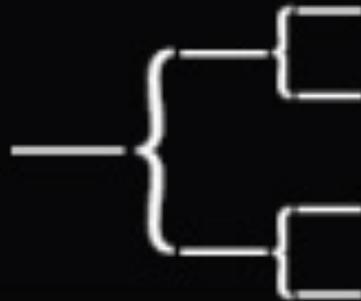
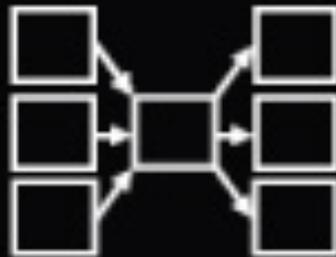
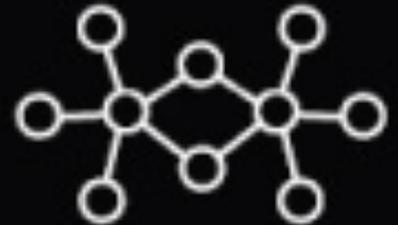
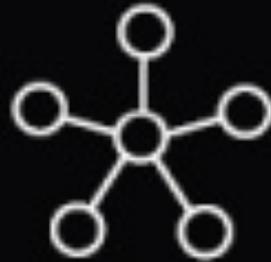


An Introduction to Thinking Maps



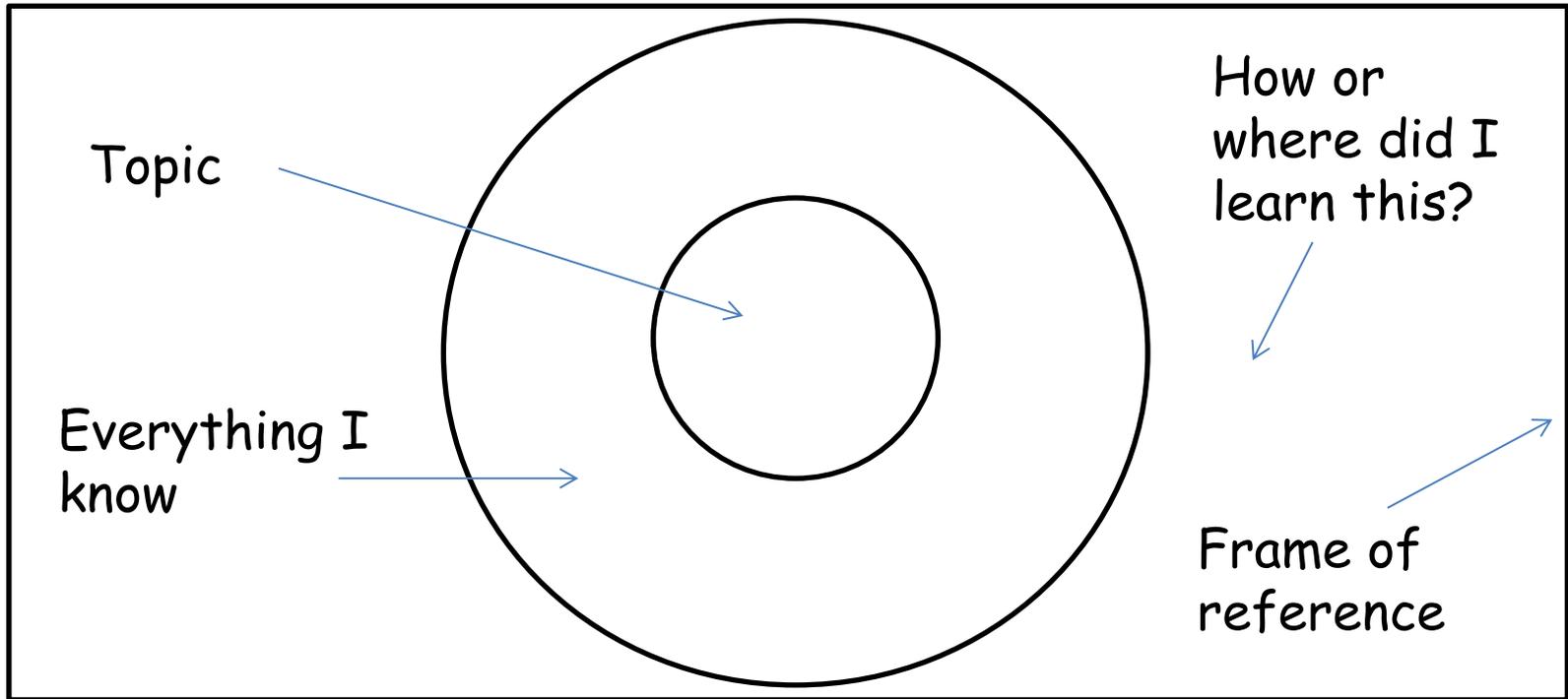
Thinking Maps

Thinking Maps are a set of graphic organiser techniques used in both primary and secondary education.

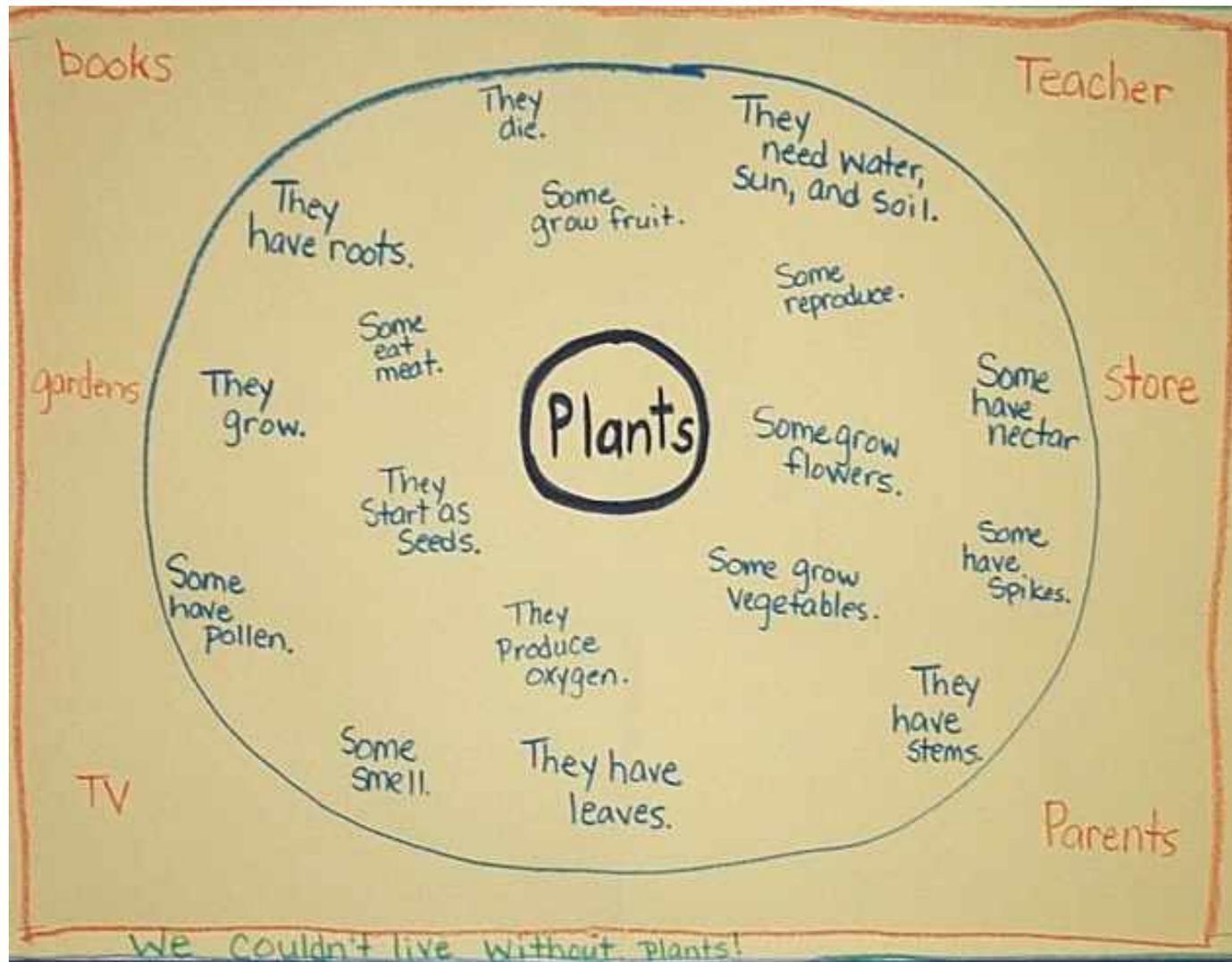
There are eight diagram types that are intended to correspond with eight different fundamental cognitive processes. They provide a common visual language designed to help students structure their thinking.

Circle Map

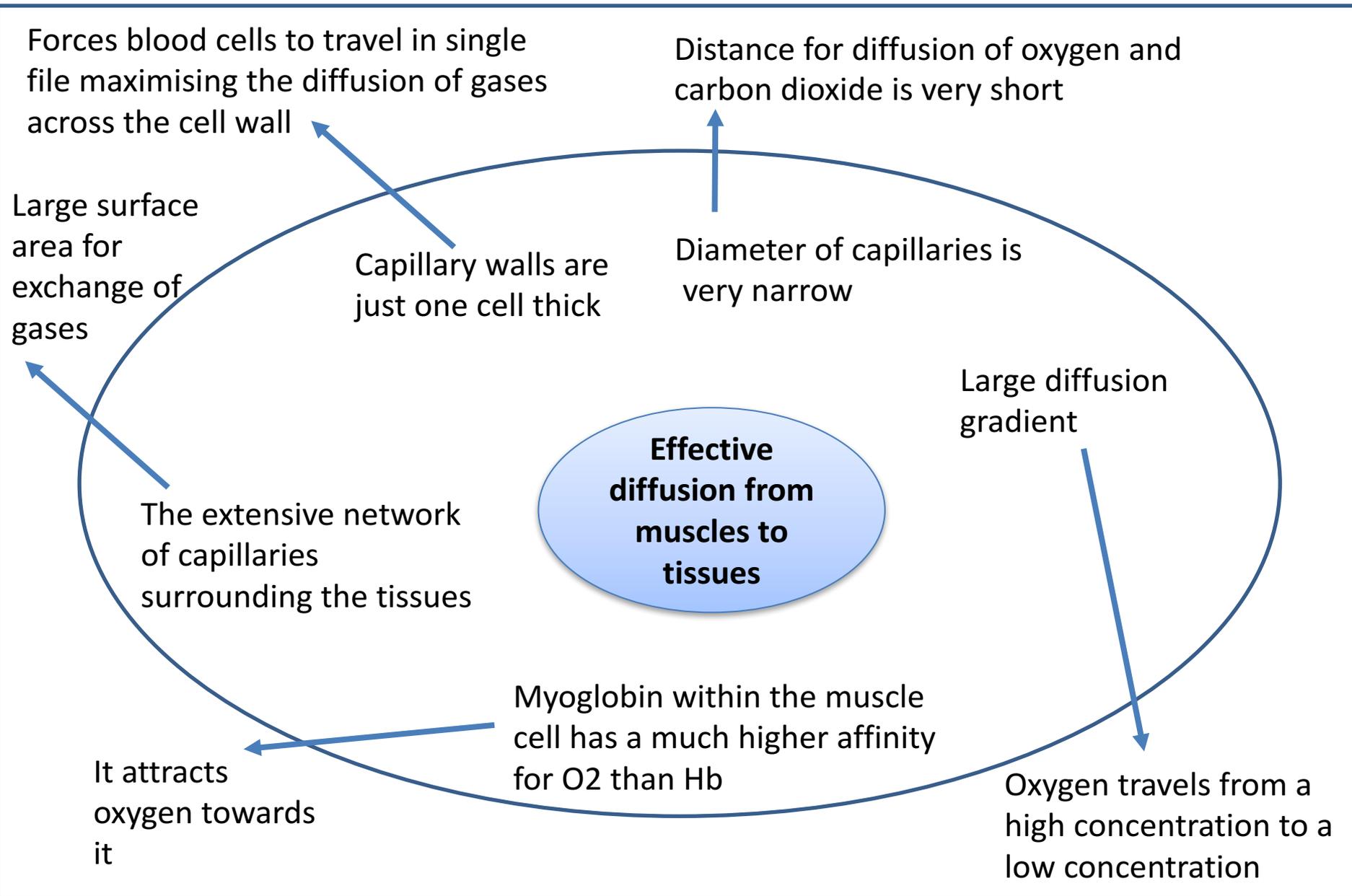
- Defining in Context or Brainstorming



- Can be used for: Brainstorming, diagnosing prior knowledge, Closure/review



Factors that ensure effective diffusion from muscles to tissues



Forces blood cells to travel in single file maximising the diffusion of gases across the cell wall

Distance for diffusion of oxygen and carbon dioxide is very short

Large surface area for exchange of gases

Capillary walls are just one cell thick

Diameter of capillaries is very narrow

Large diffusion gradient

The extensive network of capillaries surrounding the tissues

Effective diffusion from muscles to tissues

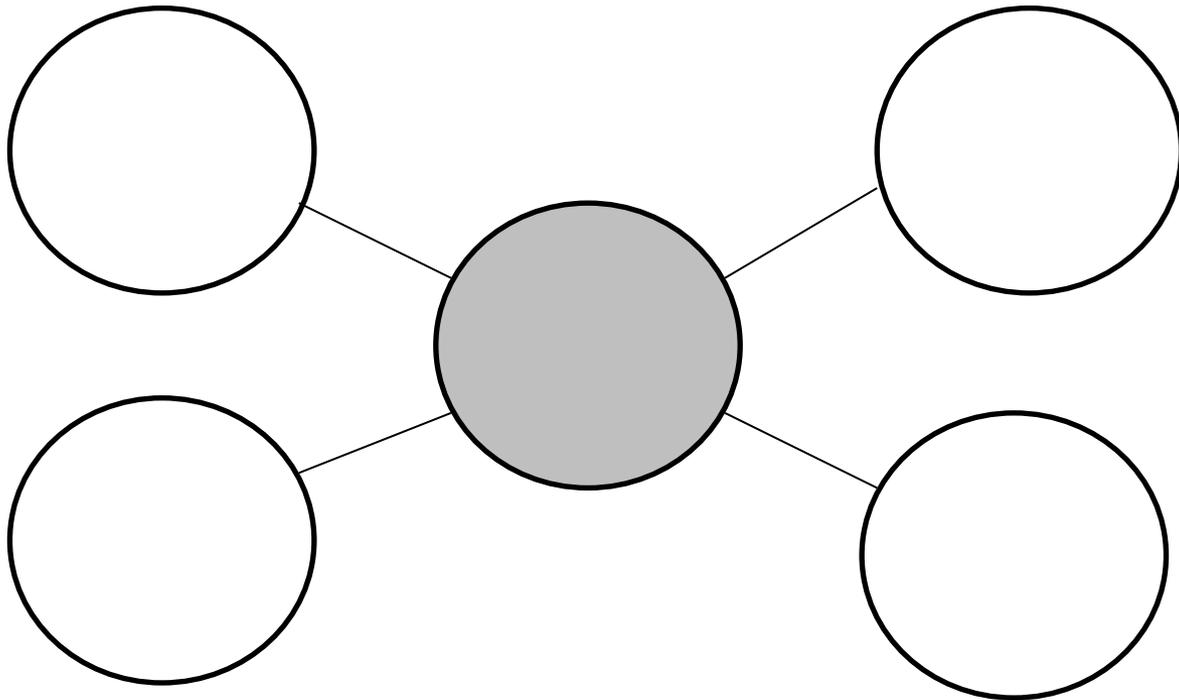
It attracts oxygen towards it

Myoglobin within the muscle cell has a much higher affinity for O₂ than Hb

Oxygen travels from a high concentration to a low concentration

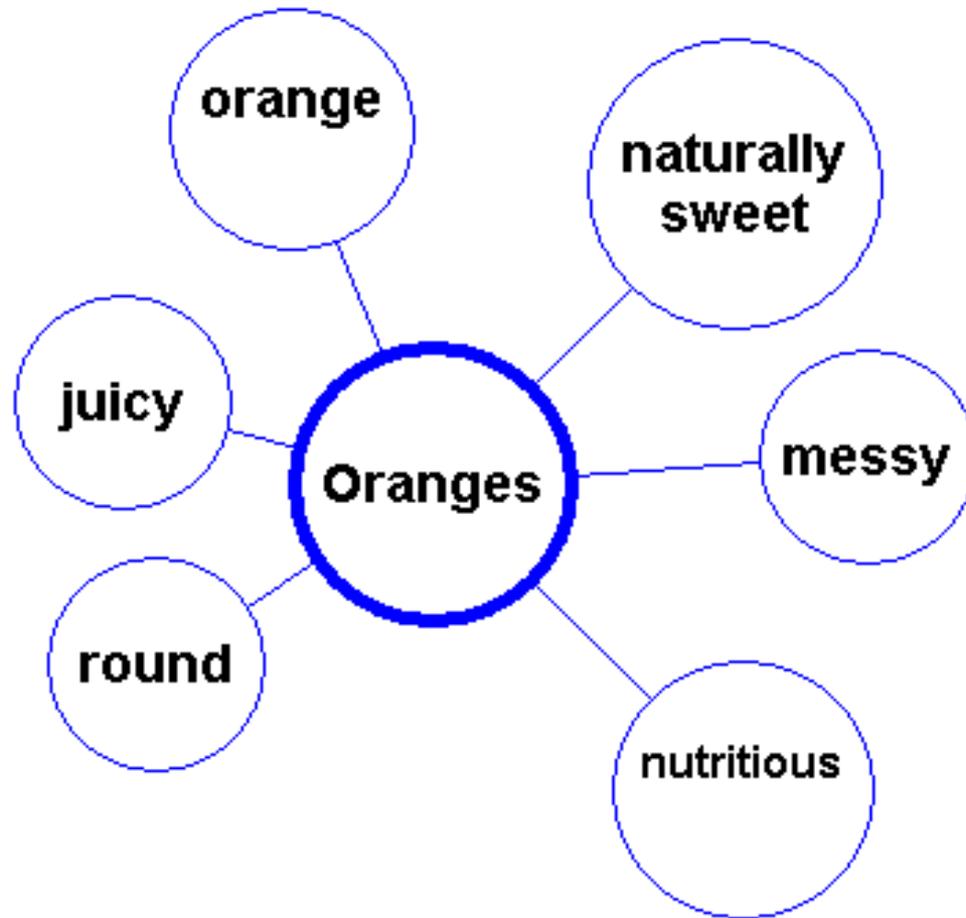
Bubble Map

- Describing (adjectives or adj. phrases only)

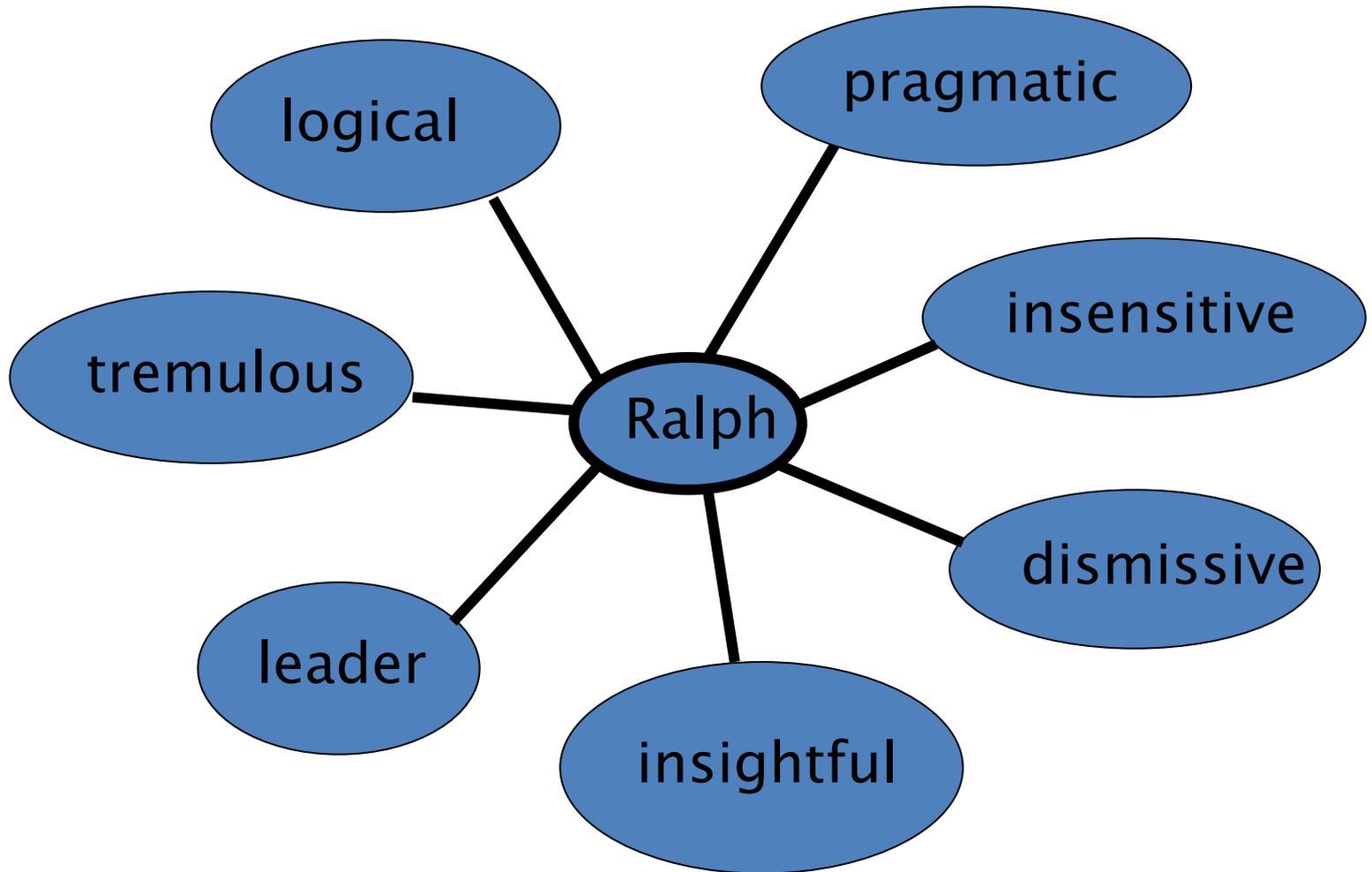


- Can be used for: Identifying and describing qualities, adjectives only!

The Bubble Map

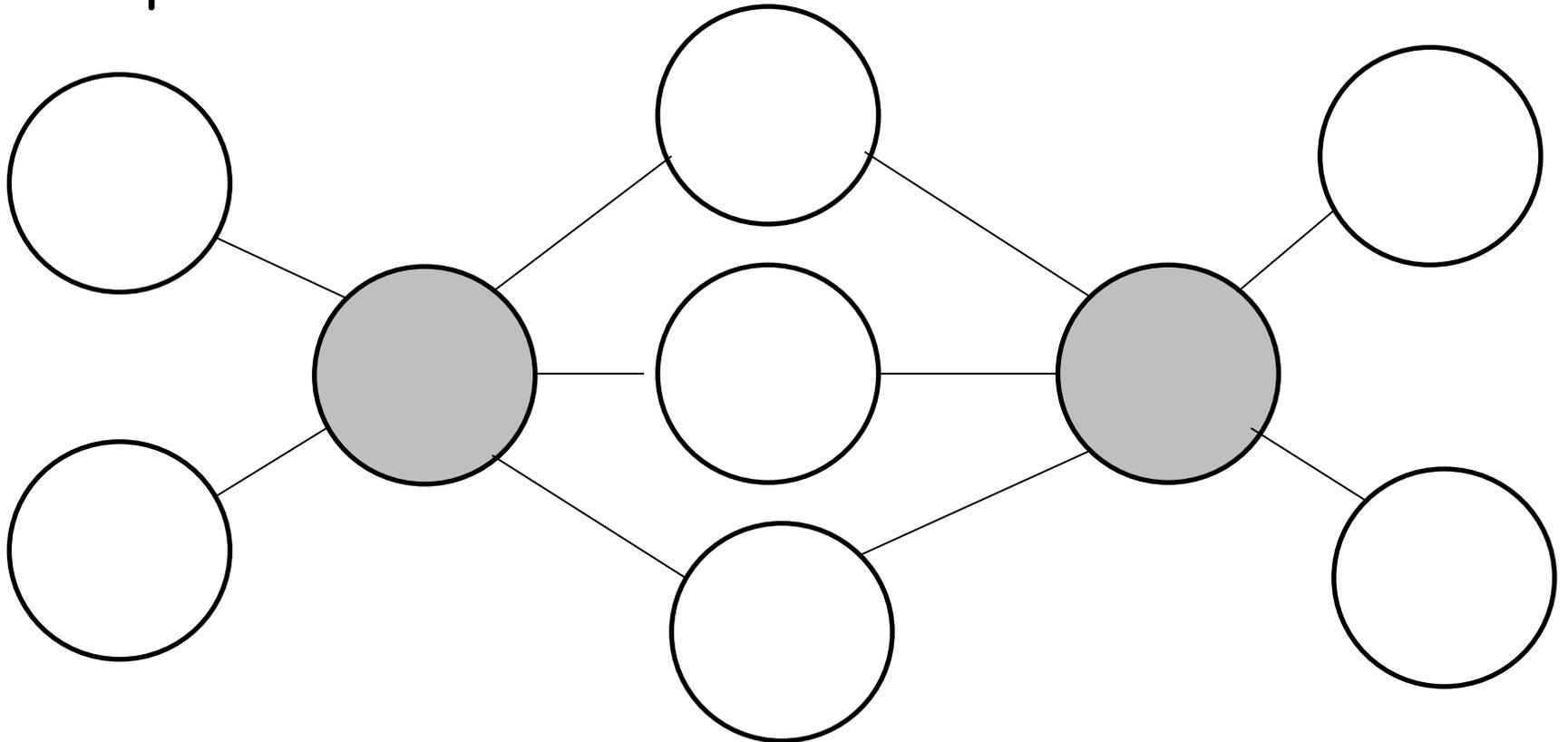


Ralph- Lord of the Flies



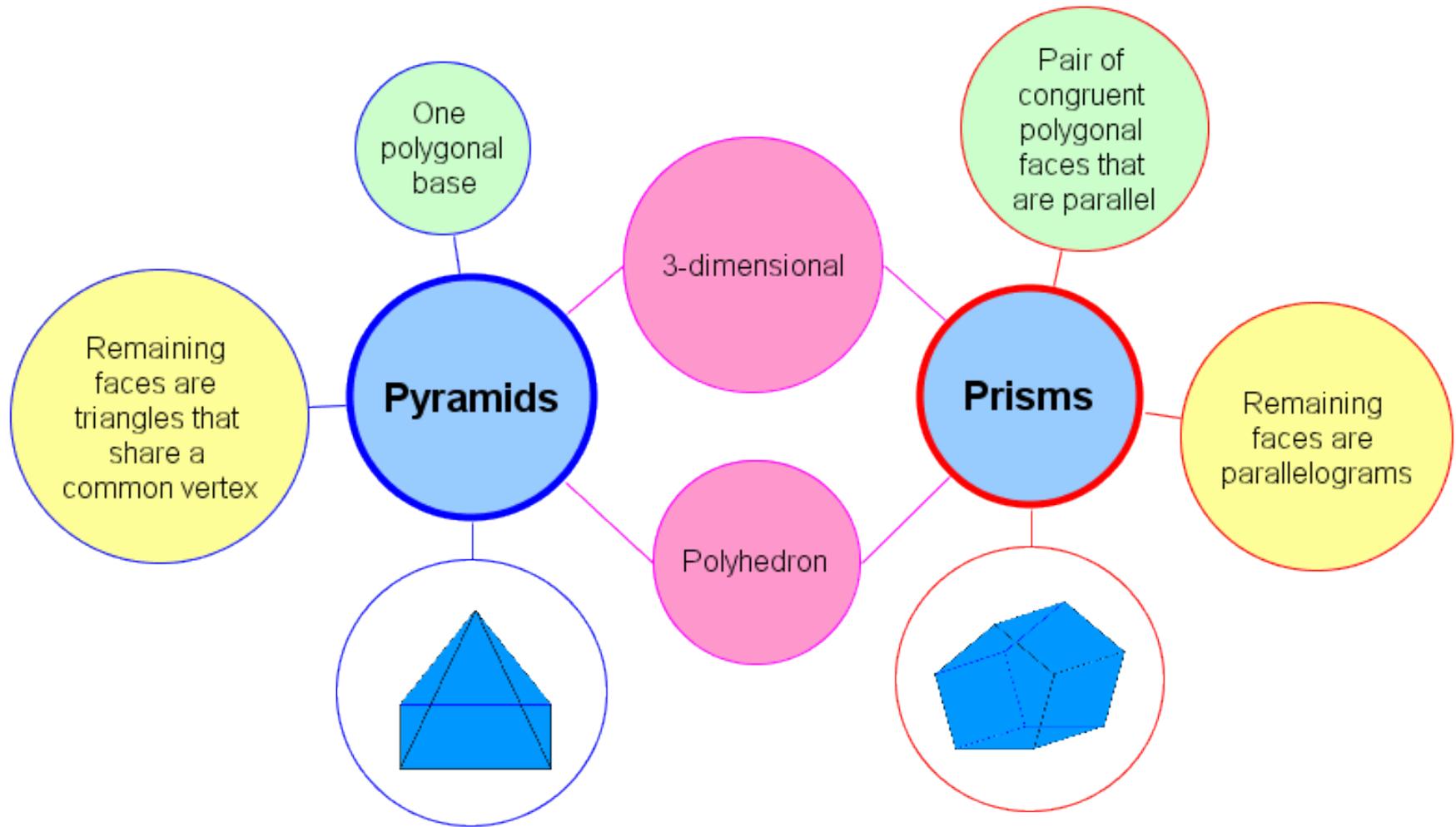
Double Bubble Map

- Compare and contrast



- Can be used for: Compare and contrasting, could colour code the bubbles

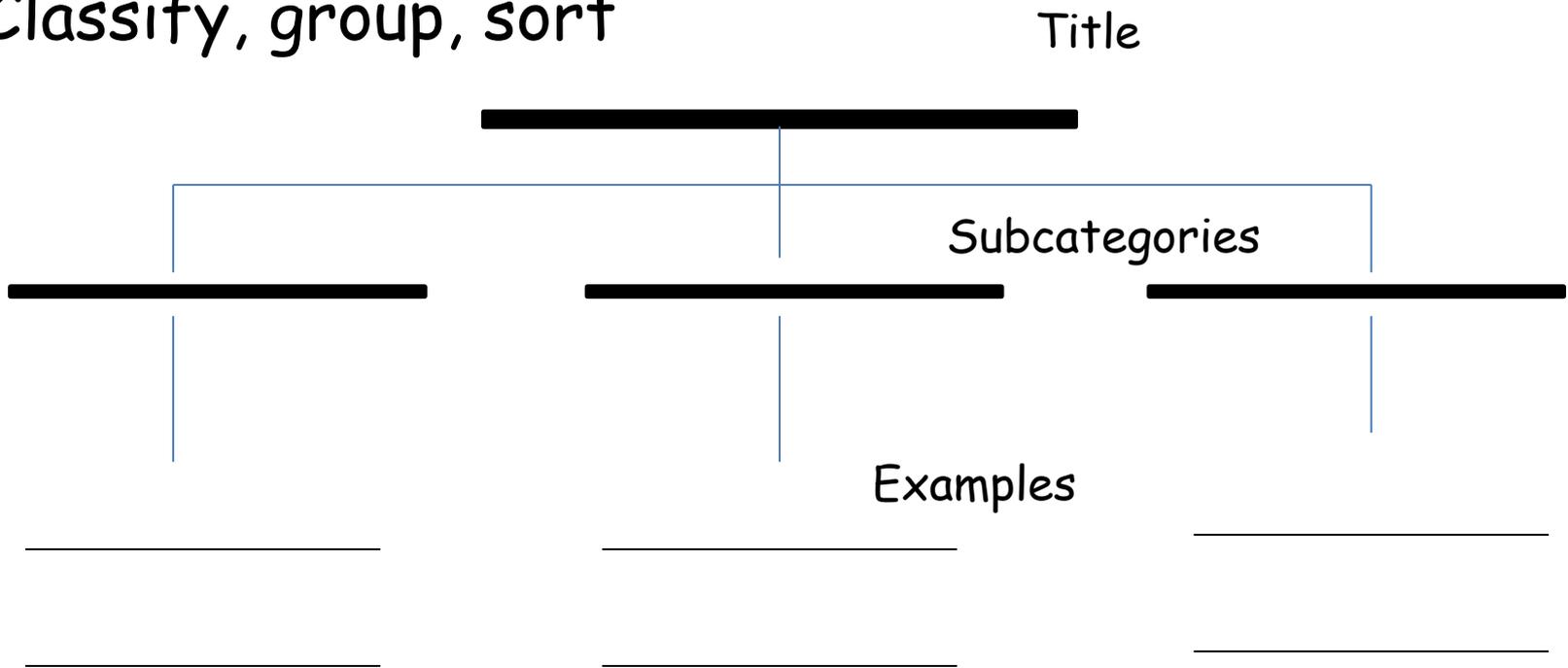
The Double Bubble Map





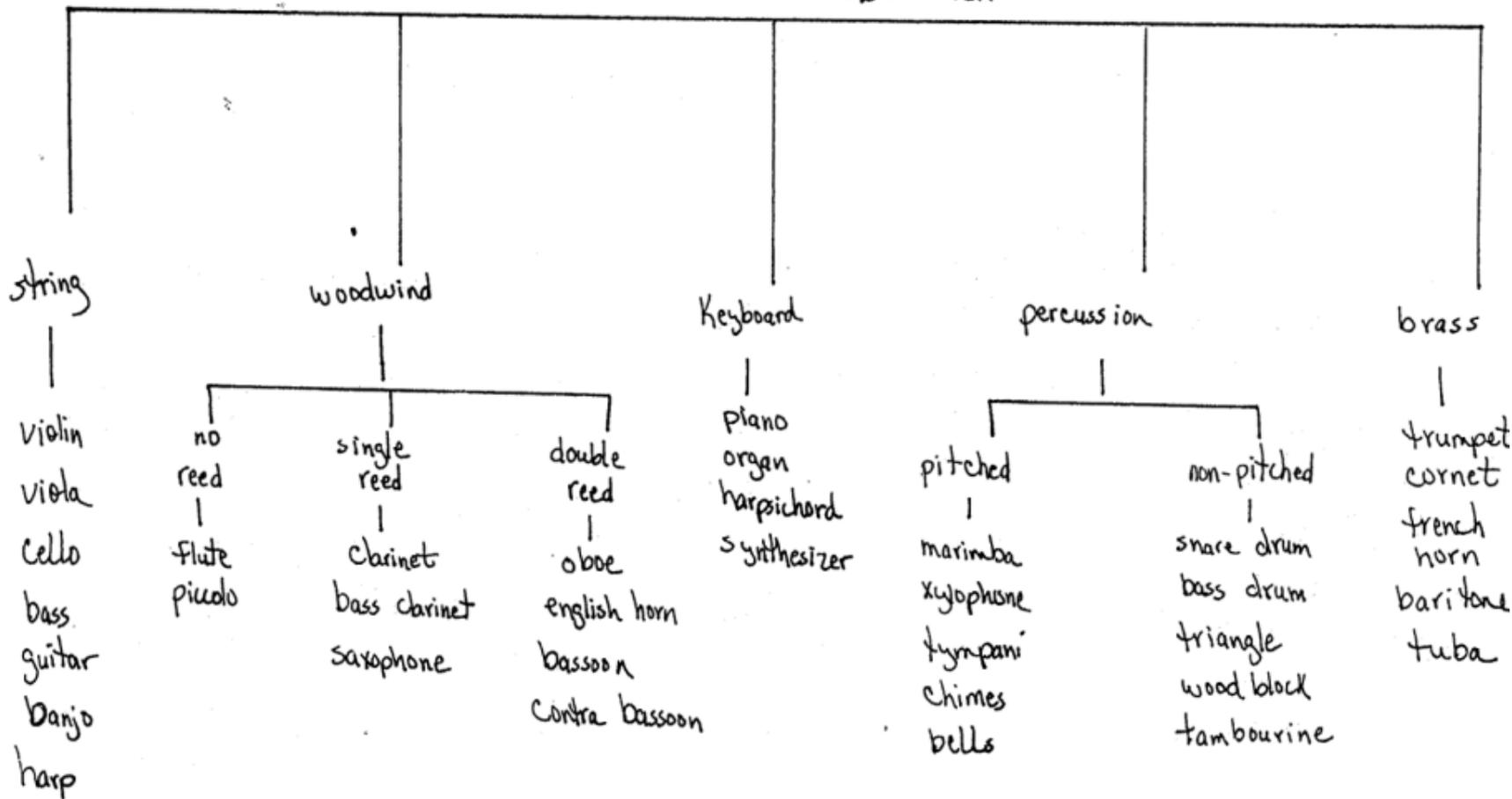
Tree Map

- Classify, group, sort



- Can be used for: Classifying ideas, types of...,
Kinds of...

Musical Instruments





Qu'est-ce que tu aimes faire ?

By Joanna Chrusa
70y5

Au printemps

En été

En automne

En hiver

Quand il fait mauvais

Quand il fait beau

Quand il fait froid

Quand il y a du soleil

Quand il pleut

Quand il y a du vent

Quand il y a du brouillard

Quand il neige

J'aime bien écouter de la musique dans ma chambre

J'adore jouer au badminton et faire du cyclisme

J'aime vraiment rester à la maison et lire un livre

J'aime faire de la natation

J'aime aller jouer à l'ordinateur

J'adore lire un magazine

J'adore regarder la télévision

J'adore aller au parc et jouer.

Je n'aime pas aller au parc et jouer au tennis

Je déteste regarder la télévision

Ce que j'aime le moins c'est faire de l'athlétisme

Je n'aime pas du tout jouer à des jeux vidéos

Je déteste faire de l'athlétisme

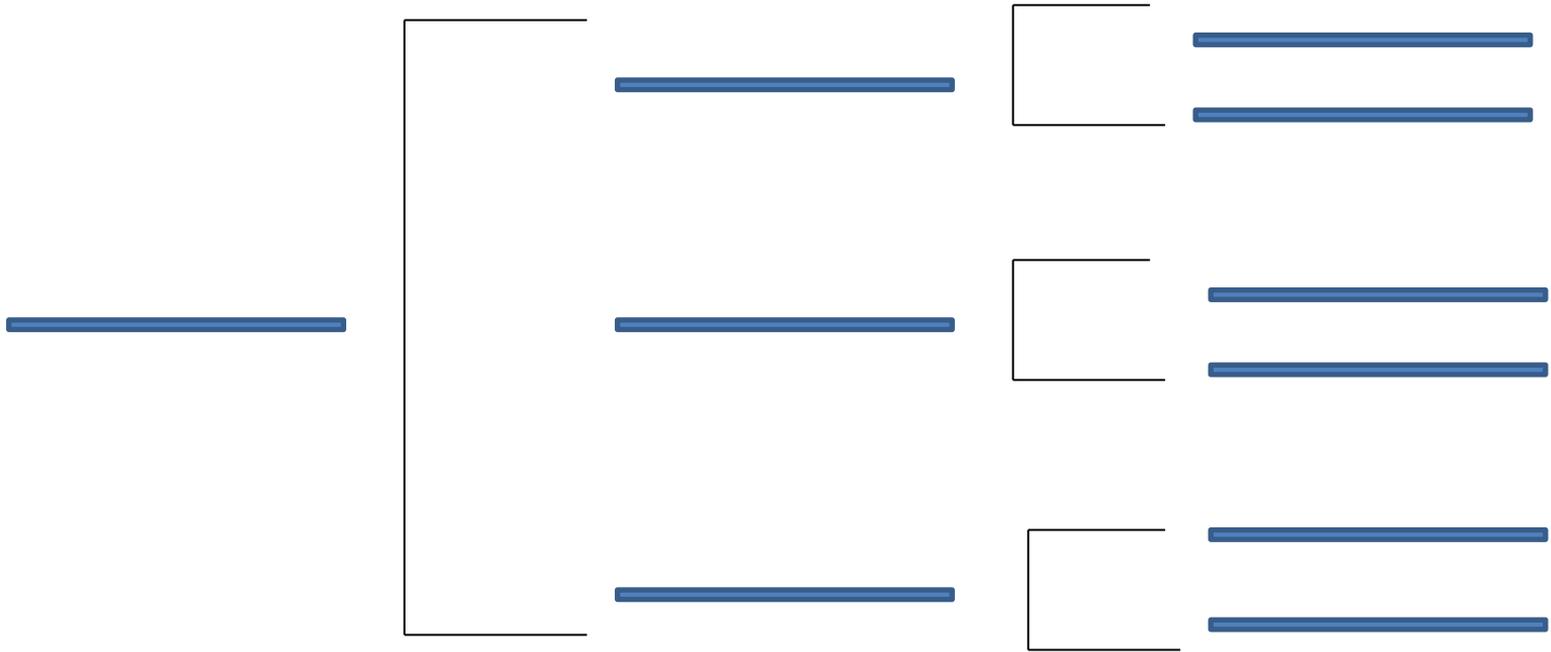
Ce que j'aime le moins c'est jouer au volleyball à la plage

Je déteste aller au parc et jouer au basket

Je n'aime pas rester à la maison.

Brace Map

- Part-whole relationships, structure



- Can be used for: Seeing and analysing whole to part relationships, physical objects only

Computer



CPU

hard disk drive

CD ROM drive

Monitor

display screen

controls

Keyboard

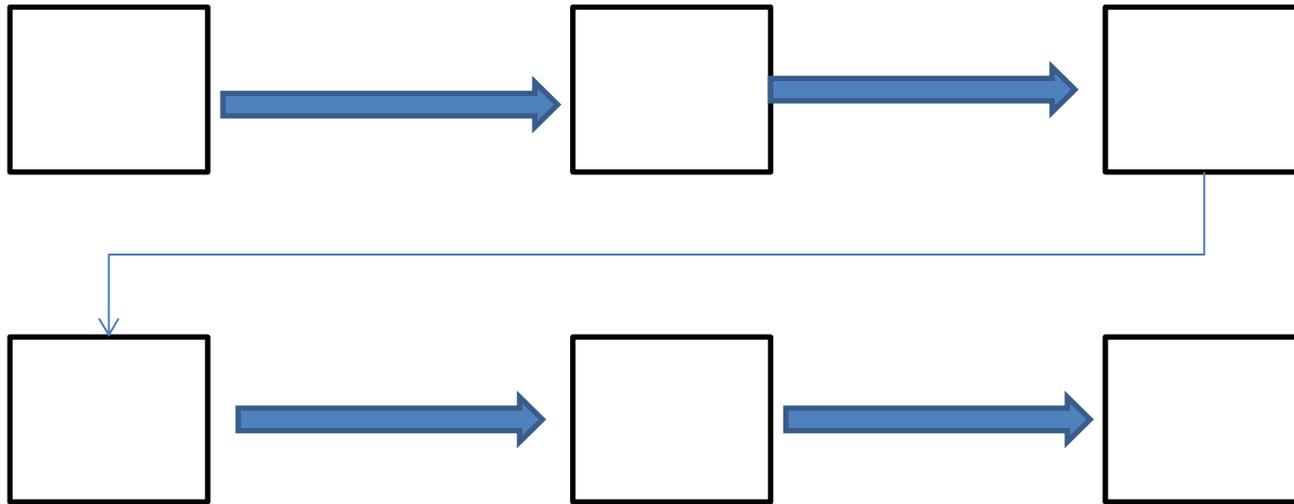
letter keys

number keys

function keys

Flow Map

- Sequence, order, cycles, etc



- Can be used for: sequencing and ordering information, plots, processes, chronology

The Flow Map

The Black Death

The Black Death began in China

Ships returning from Asia brought it to Italy

Spread to the rest of Europe along trade routes

1/3 of Europe's population died

Not enough people to do the work

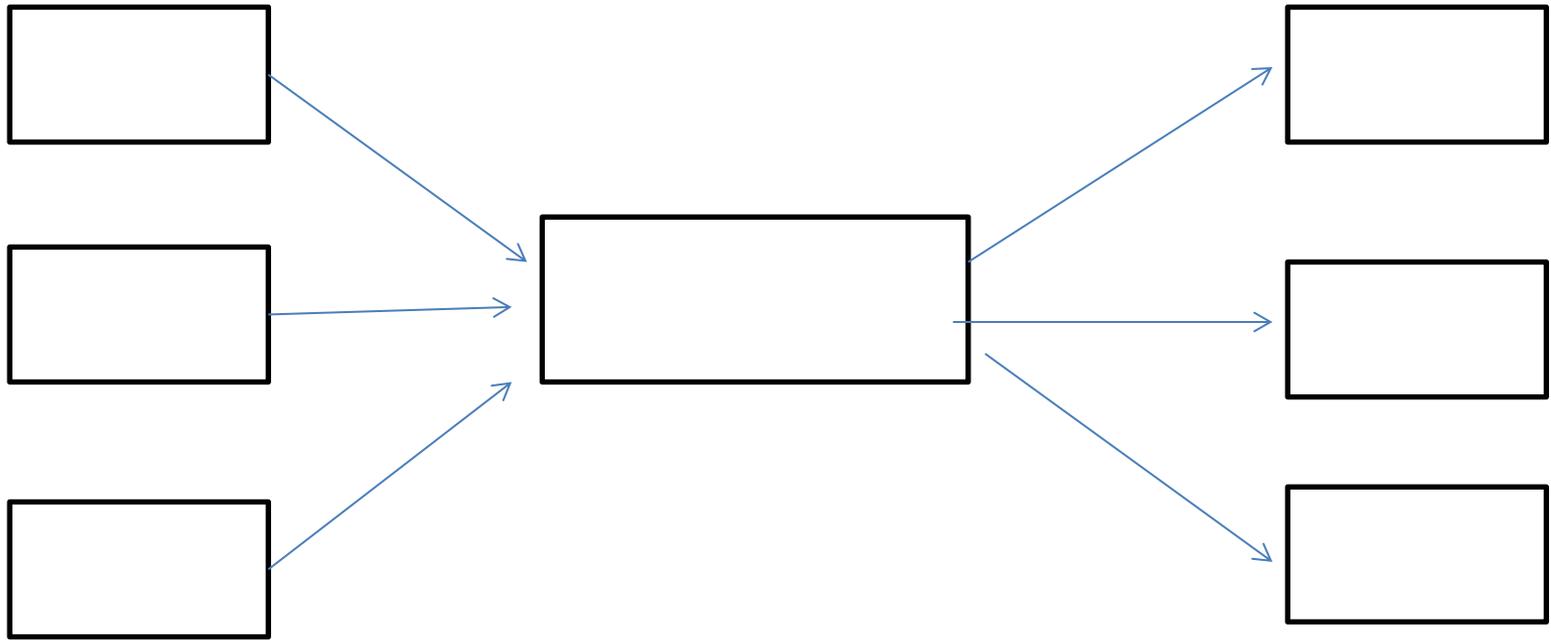
Surviving peasants demanded better conditions and wages

Feudal system began to break down



Multi-flow Map

- Cause and effect reasoning, Prediction



- Can be used for: "if...then", cause and effect, projecting consequences, analysing effects

Behavior Reflections

Reasons for
My Behavior

Name _____

Date _____

Description of
My Behavior

Consequences of
My Behavior

Chosen Consequence

Plan for Improvement _____

Student _____

Teacher _____

Parent _____

Causes

- Entangled Alliances
- Arch Duke Ferdinand assassinated
- Austria blames Serbia
- Military build up
- attempted annexation of Bosnia
- Germans declare war on France
- land disputes
- Nationalism
- Militarism
- Imperialism



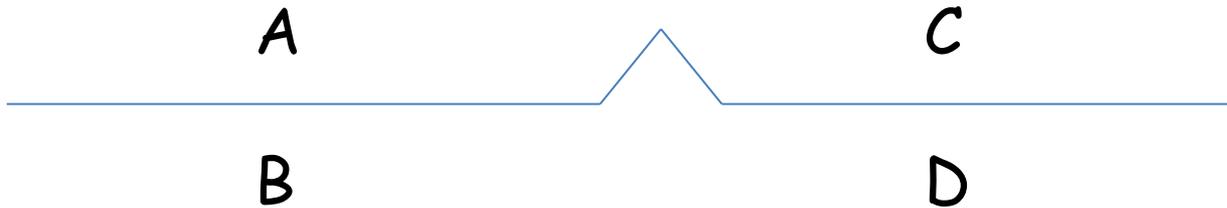
Effects

- Death of many people
- Sinking of the Lusitania
- Countries take side
- New weapons developed
- Huge trenches dug
- Use of poison gas
- Creation of the Uboat
- Boost in American economy
- Over 2 million howitzer shells were fired
- The Great Depression



Bridge Map

- Seeing analogies. Transferring similar relationships



Relationship factor: _____

- Can be used for: Seeing analogies, How can they be related? A is to B as C is to D

Romeo

Plants

Juliet

Sun

_____ relating factor = 'Needs'



Thinking Tools

