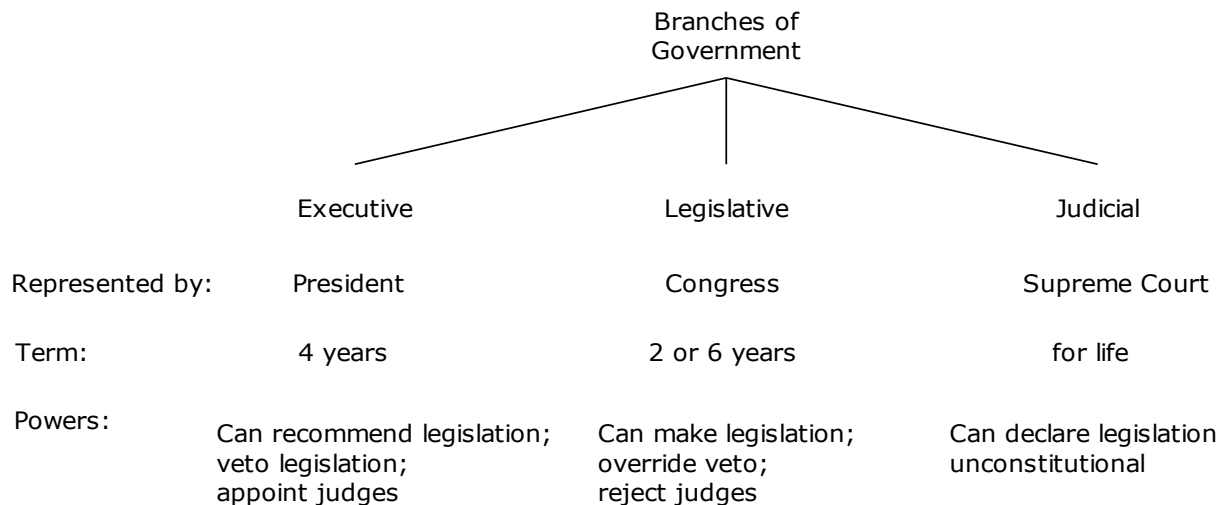
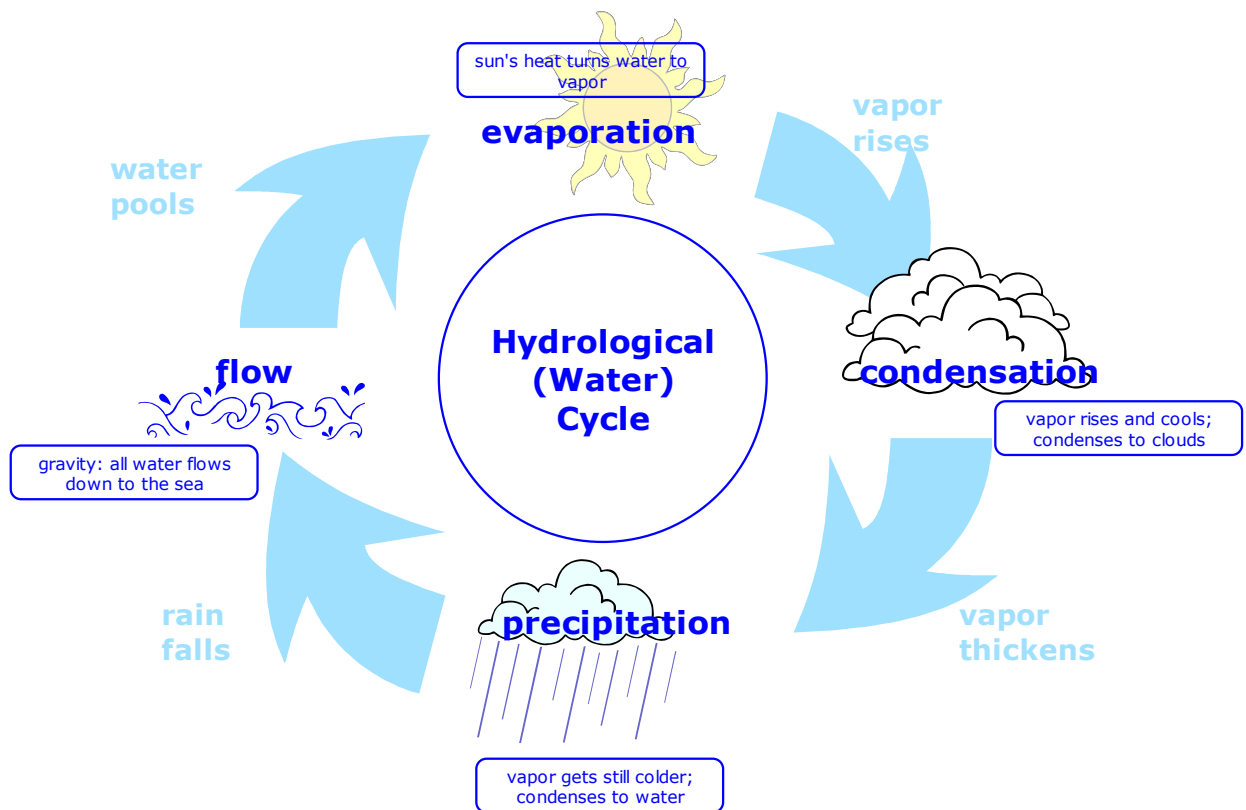


## Branches of Government (U.S.A.)

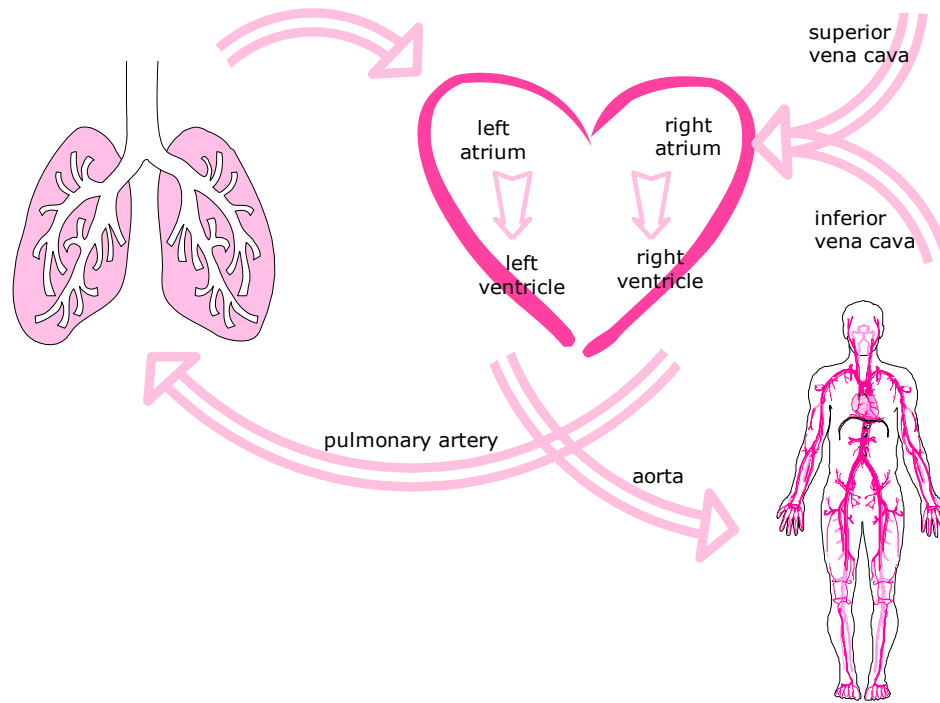
- |     |                    |    |                 |  |
|-----|--------------------|----|-----------------|--|
| I.  | Executive Branch   | A. | Represented by: | President  |
|     |                    | B. | Powers:         | Can recommend legislation; veto legislation; appoint judges                        |
|     |                    | C. | Length of term: | 4 years; maximum term 8 years  |
| II. | Legislative Branch | A. | Represented by: | Congress   |
|     |                    | B. | Powers:         | Can enact legislation; override veto; reject and impeach judges; impeach President |
|     |                    | C. | Length of term: | 2 years (House of Representatives) or 6 years (Senate); no maximum term            |
| III | Judicial Branch    | A. | Represented by: | Supreme Court and other federal courts   |
|     |                    | B. | Powers:         | Can declare legislation unconstitutional   |
|     |                    | C. | Length of term: | life   |



	Executive Branch	Legislative Branch	Judicial Branch
Represented by	President	Congress	Supreme Court
Term	4 years	2 or 6 years	Life
Powers	Can recommend legislation; veto legislation; appoint judges	Can enact legislation; override veto; reject and impeach judges; impeach President	Can declare legislation unconstitutional



## The circulation of blood in the human body



When the right atrium is filled with blood, it contracts, pushing the blood into the right ventricle, which then contracts, pushing the blood into the pulmonary artery.

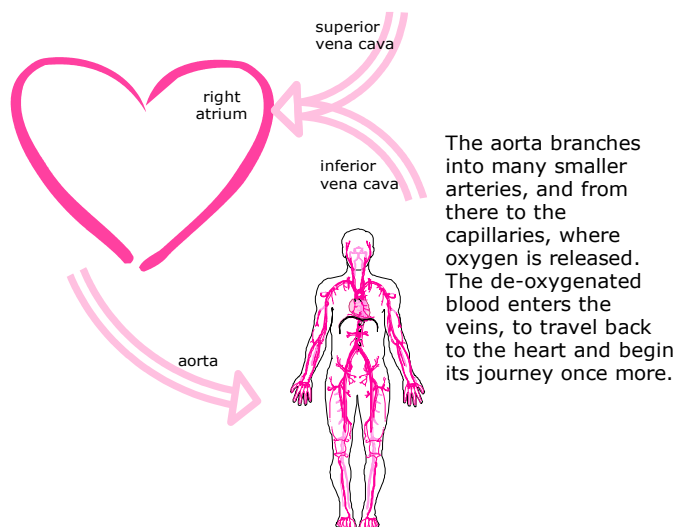
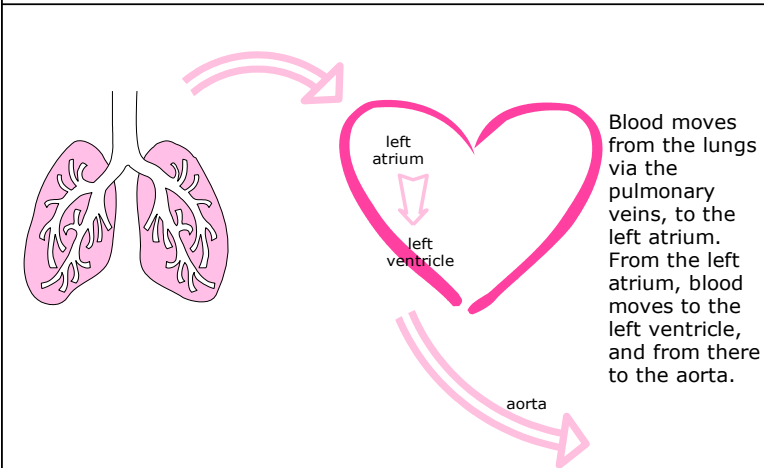
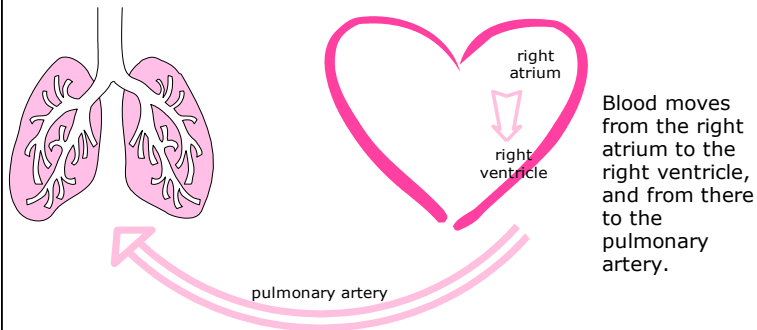
The pulmonary artery carries the blood to the lungs, where carbon dioxide and oxygen are exchanged.

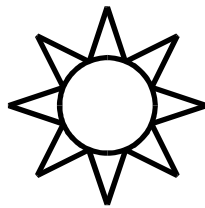
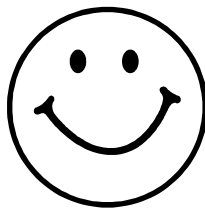
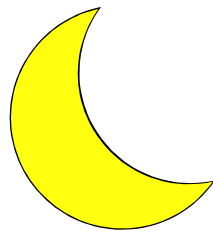
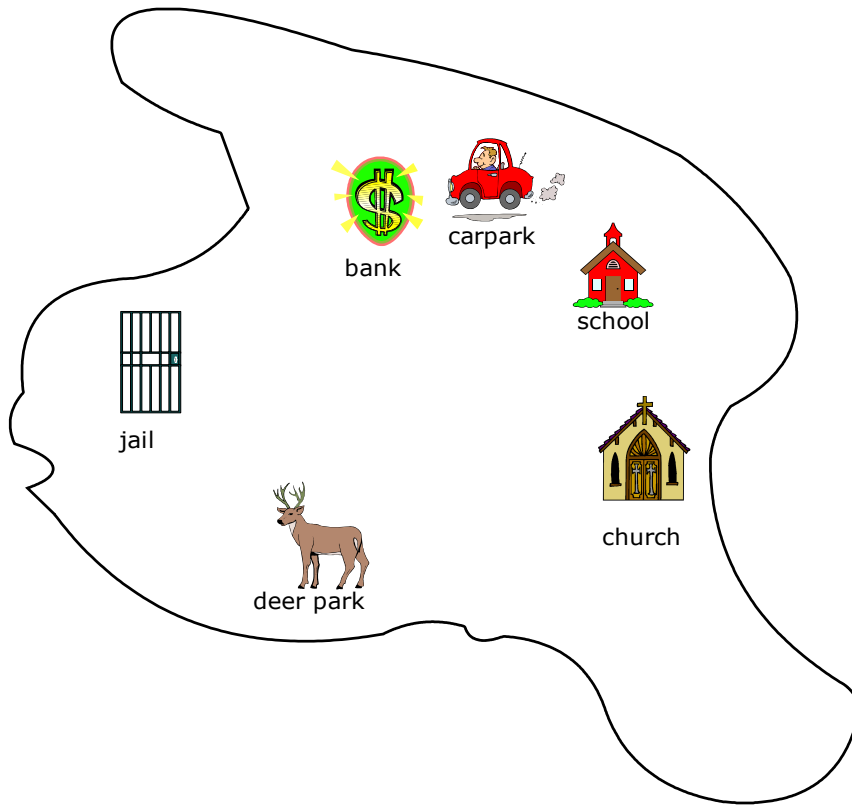
The blood is then carried by the pulmonary veins back to the left atrium.

The left atrium fills with blood, then contracts, pushing the blood into the left ventricle, which then contracts, pushing the blood into the aorta.

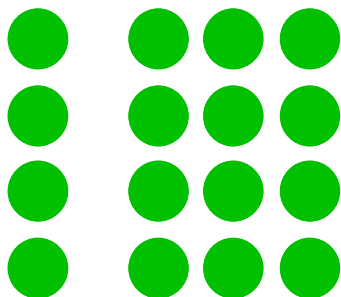
The aorta branches into many smaller arteries, that carry the fresh, oxygenated blood through the body. Finally, the blood reaches the capillaries, where the oxygen and nutrients carried by the blood are released. The de-oxygenated blood now enters the veins, to travel back to the heart and begin its journey once more.

## The circulation of blood in the human body

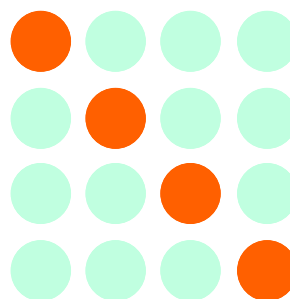
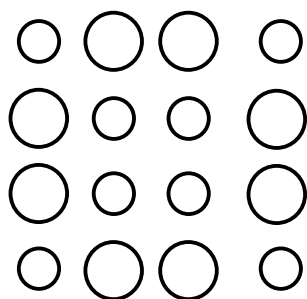




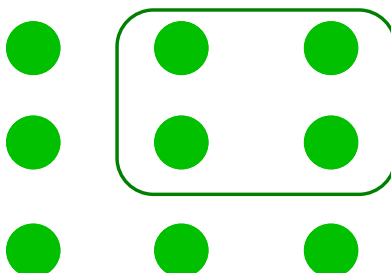
### 1. Proximity



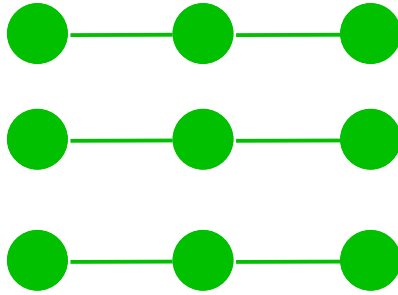
### 2. Similarity



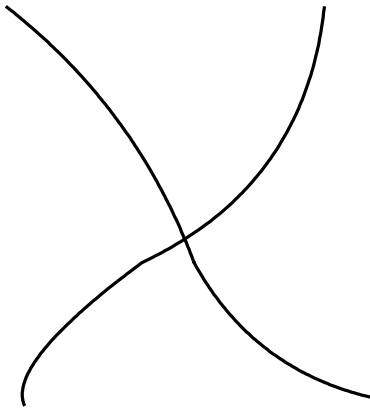
### 3. Common region



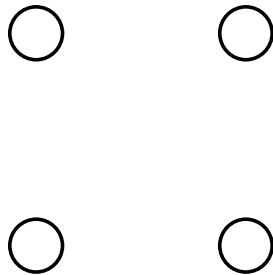
### 4. Connectedness

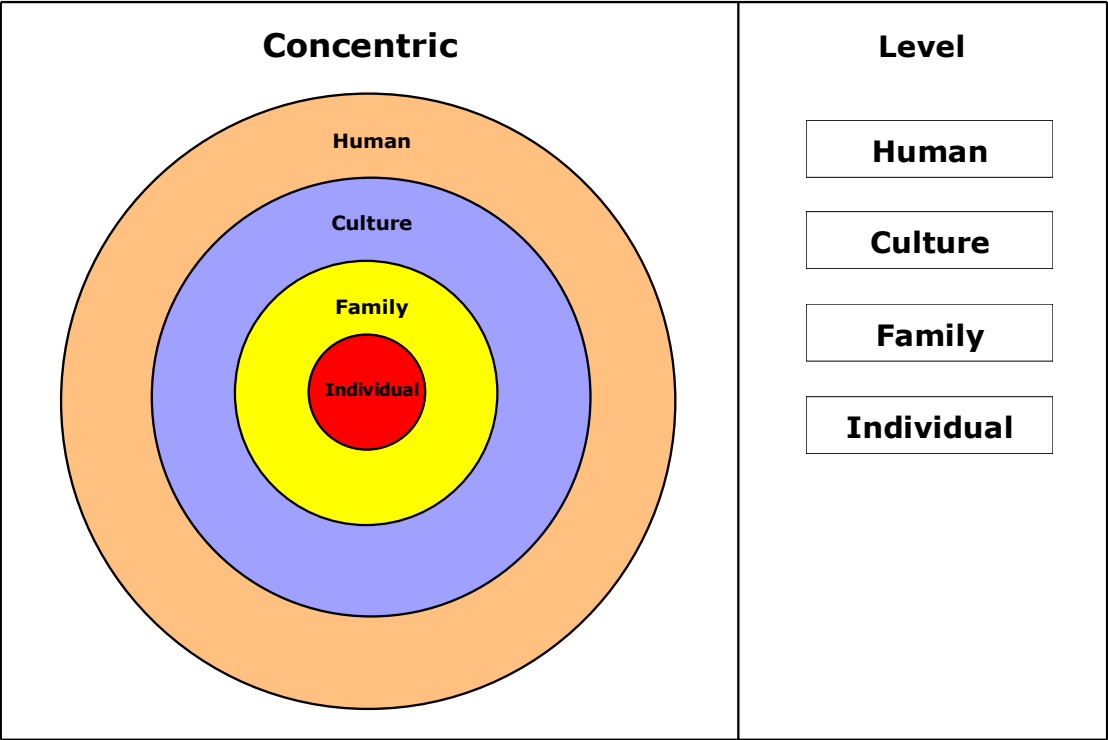


## 5. Continuation



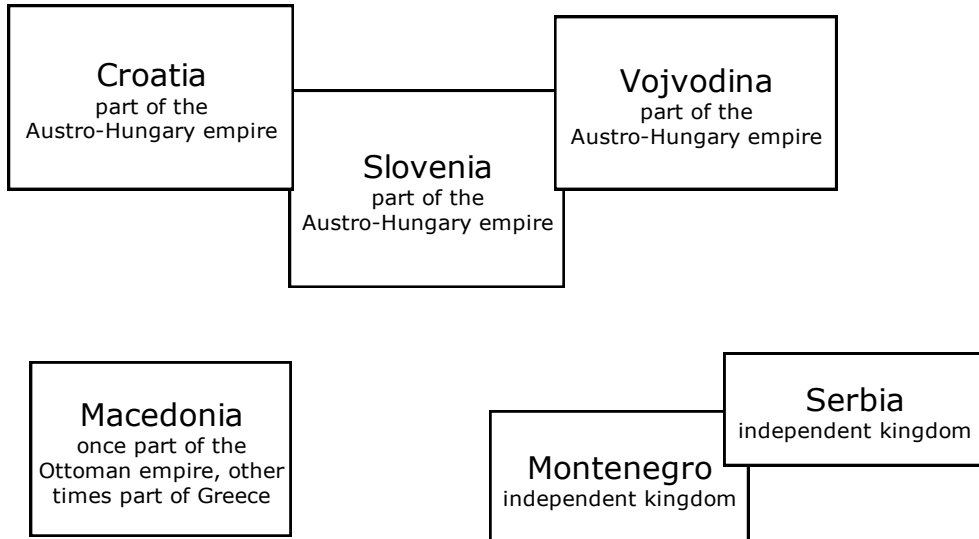
## 6. Closure



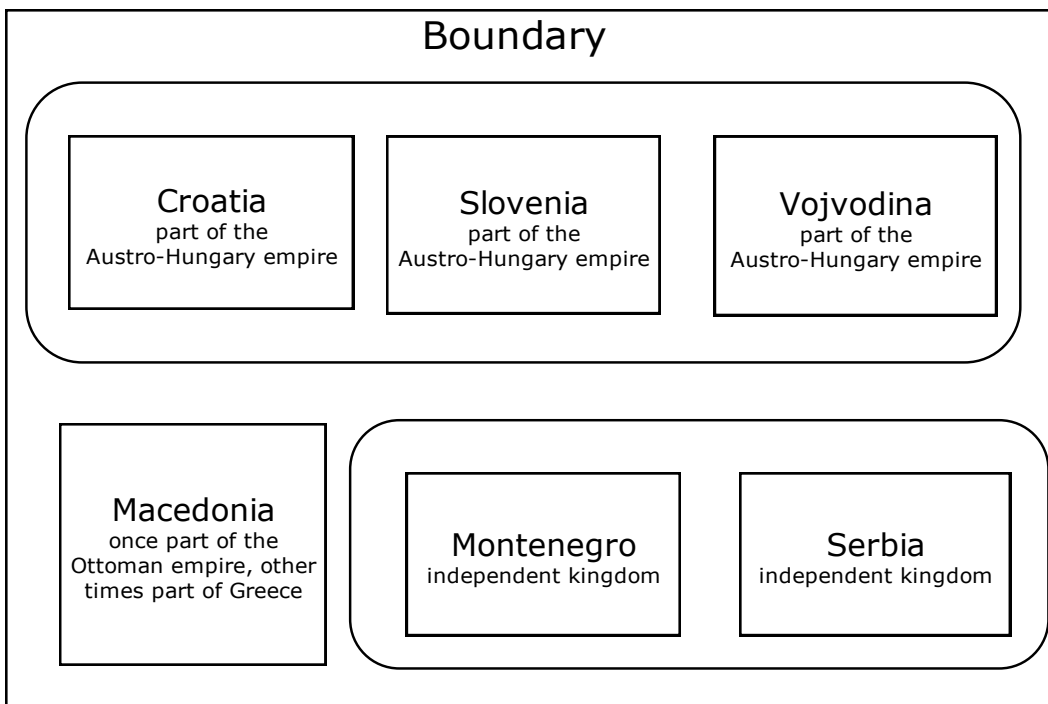


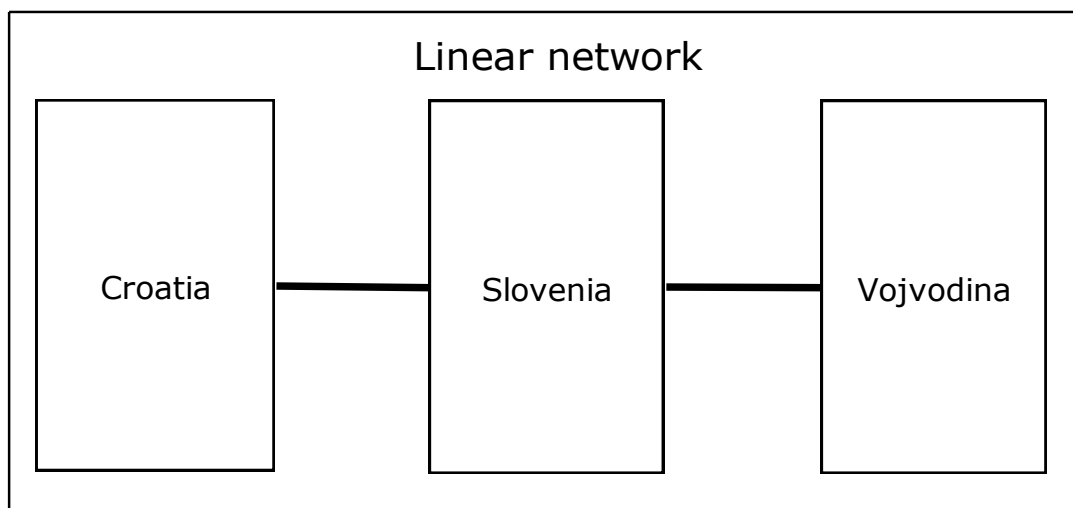
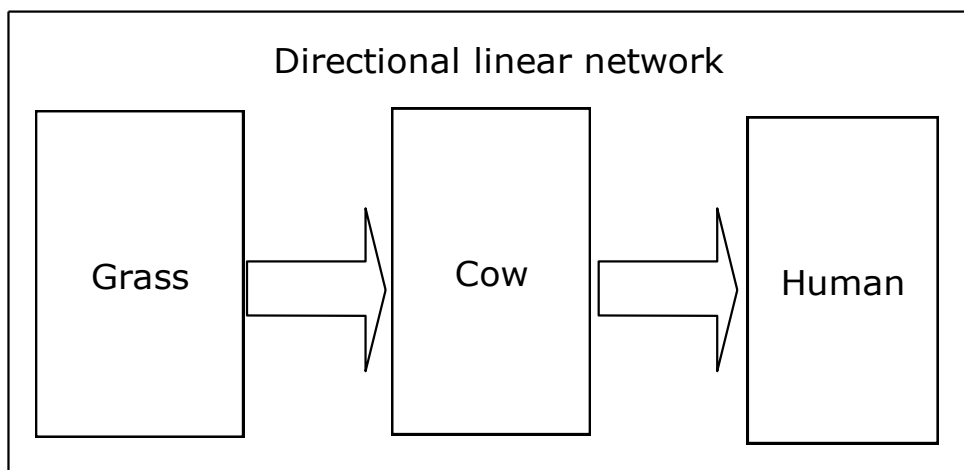
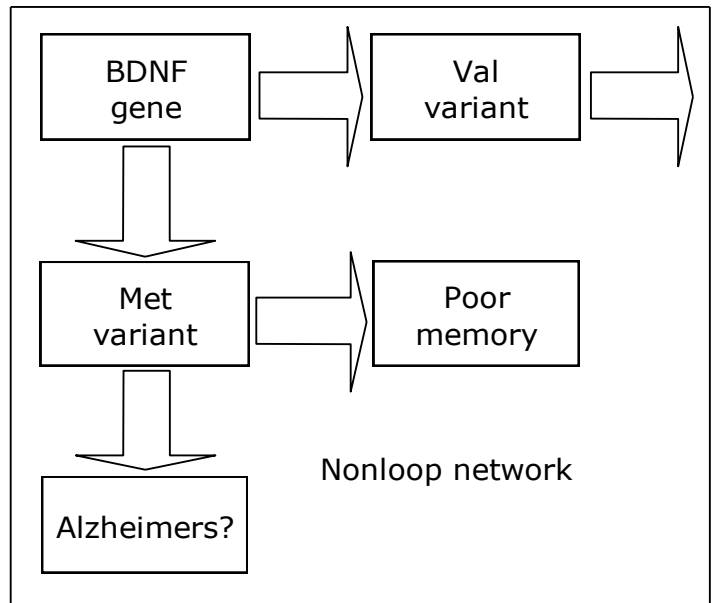
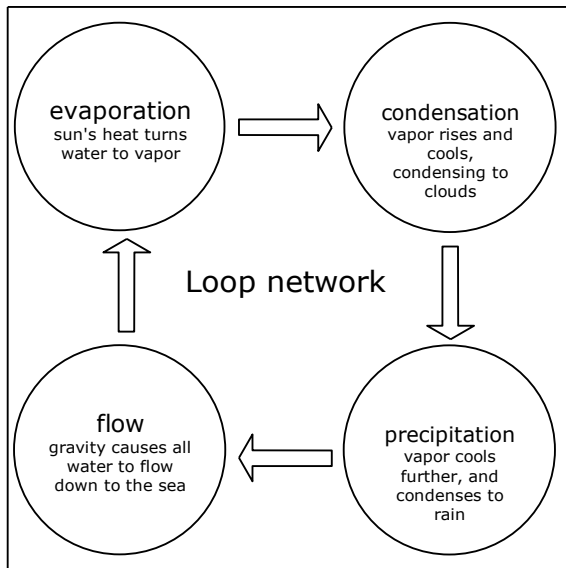


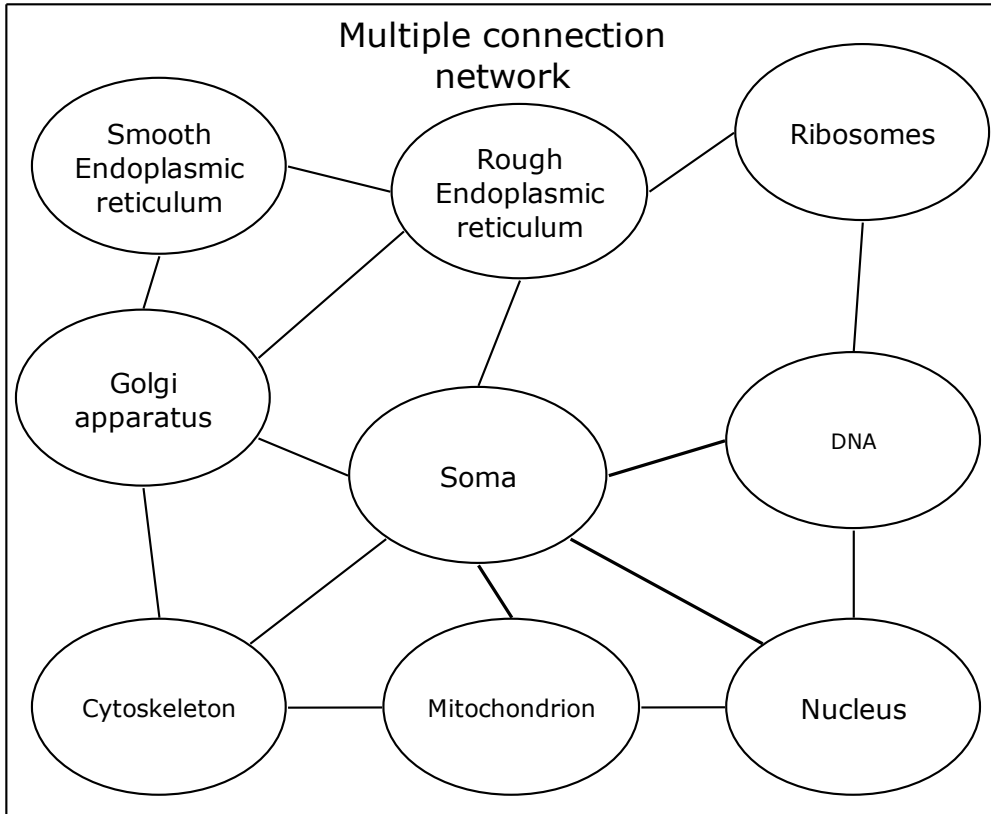
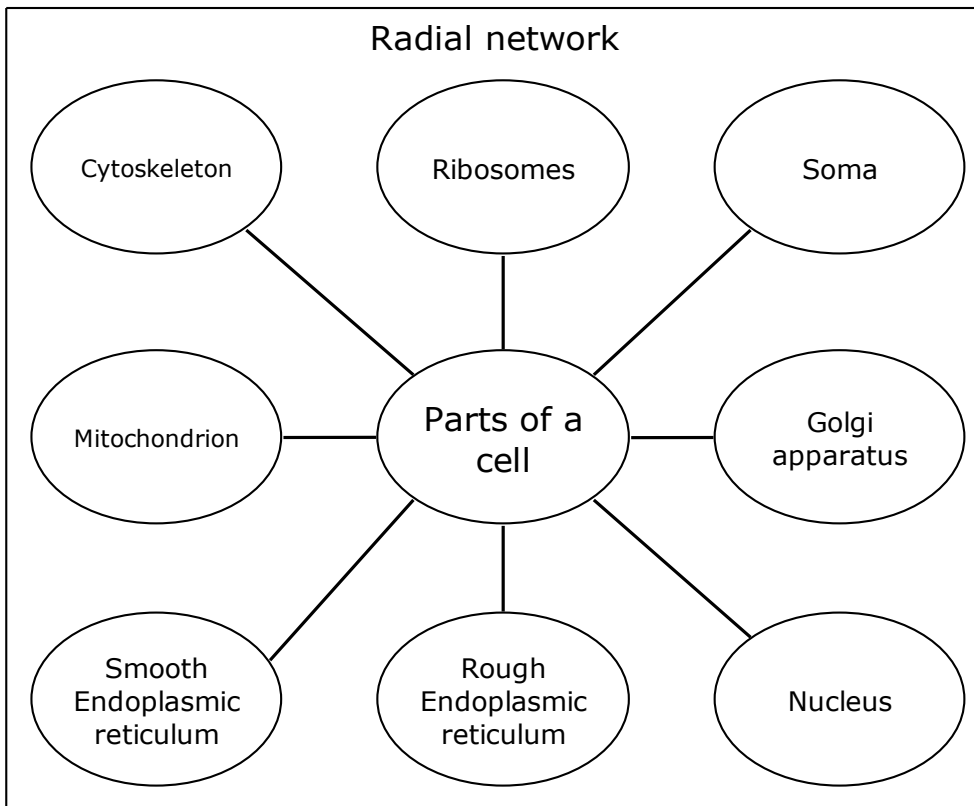
### Proximity grouping

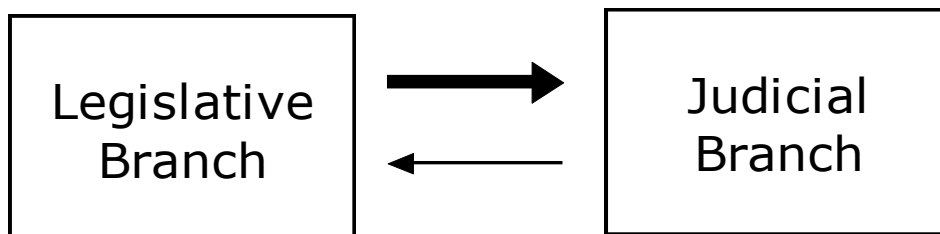
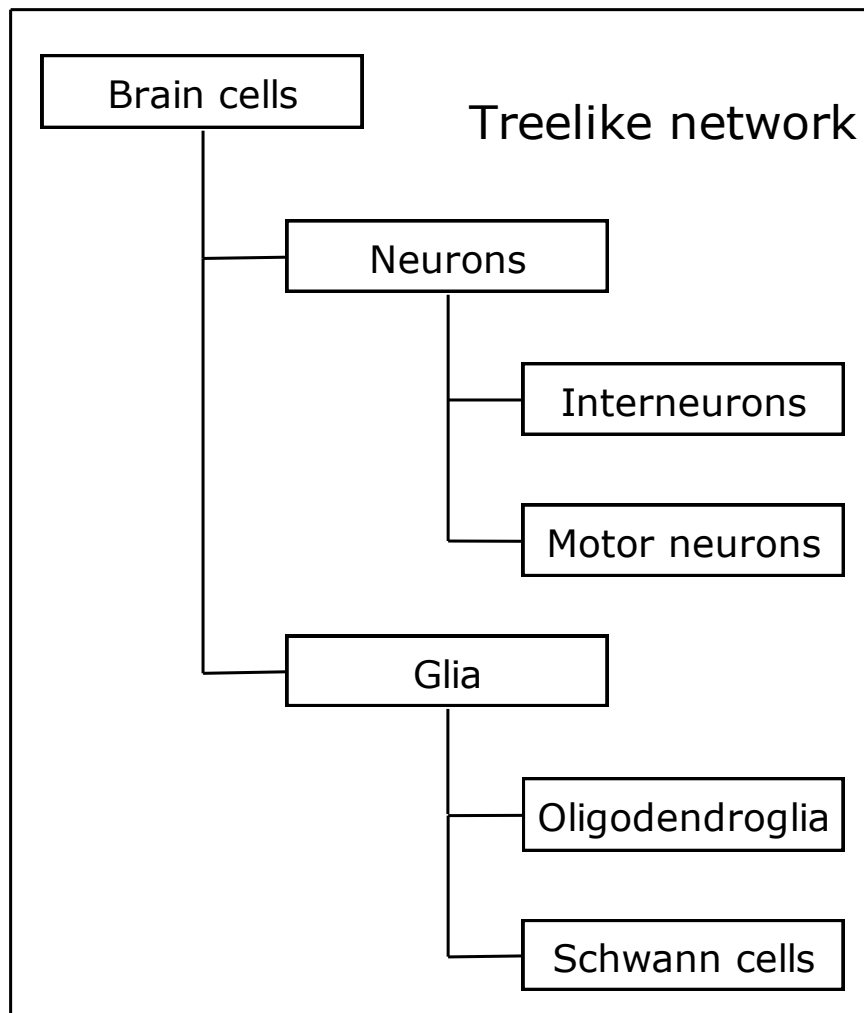


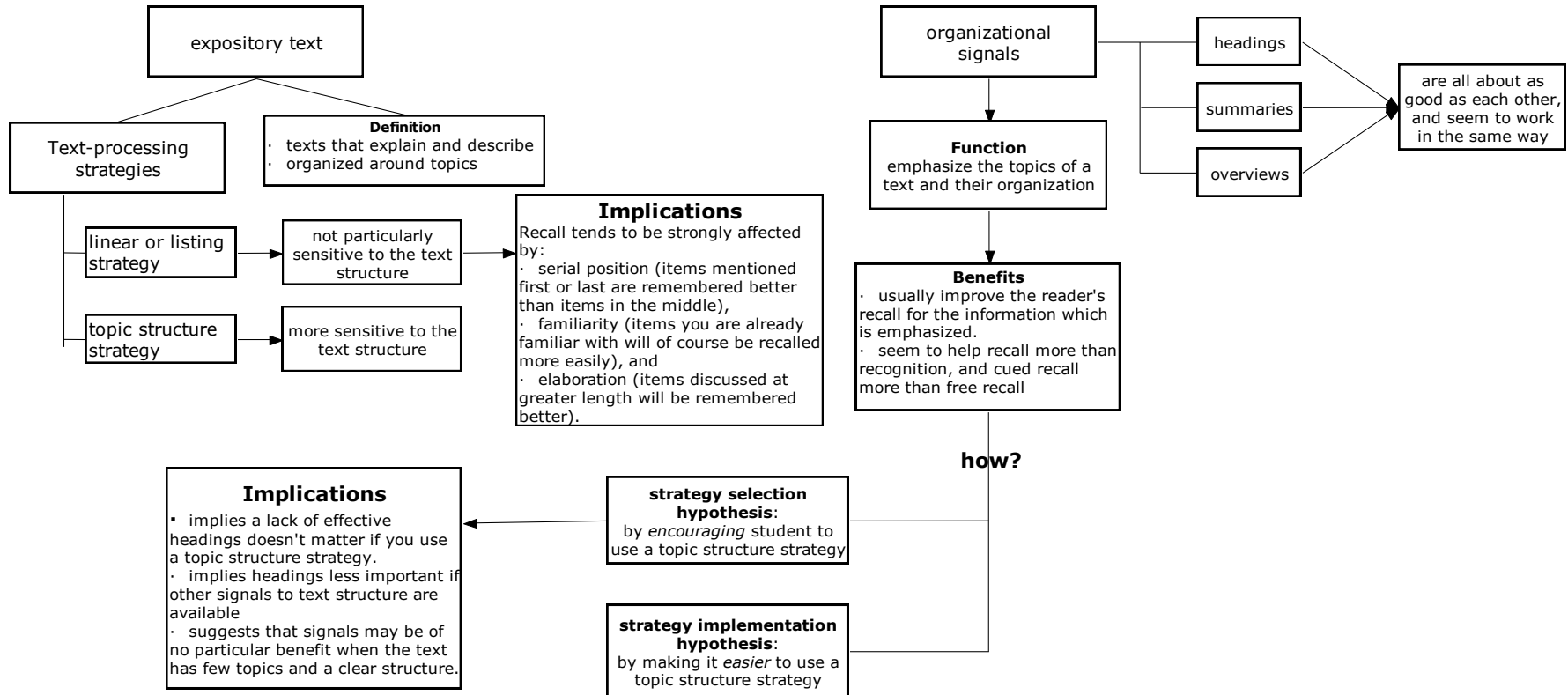
### Boundary







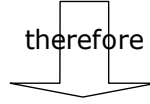




**Arteries carry blood  
from the heart**

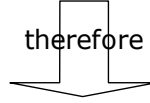
**the heart is a pump**

therefore



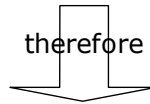
**blood comes out in spurts**

therefore



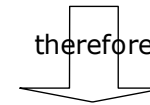
**blood flow varies in  
volume and speed**

therefore



**arteries need to expand and  
contract to accommodate  
changes in pressure**

therefore

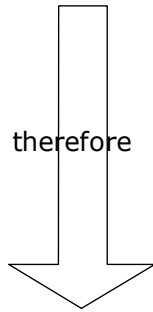


**Arteries are elastic**

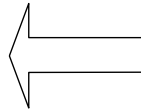
**you can feel this:  
each pulse is a  
spurt of blood**

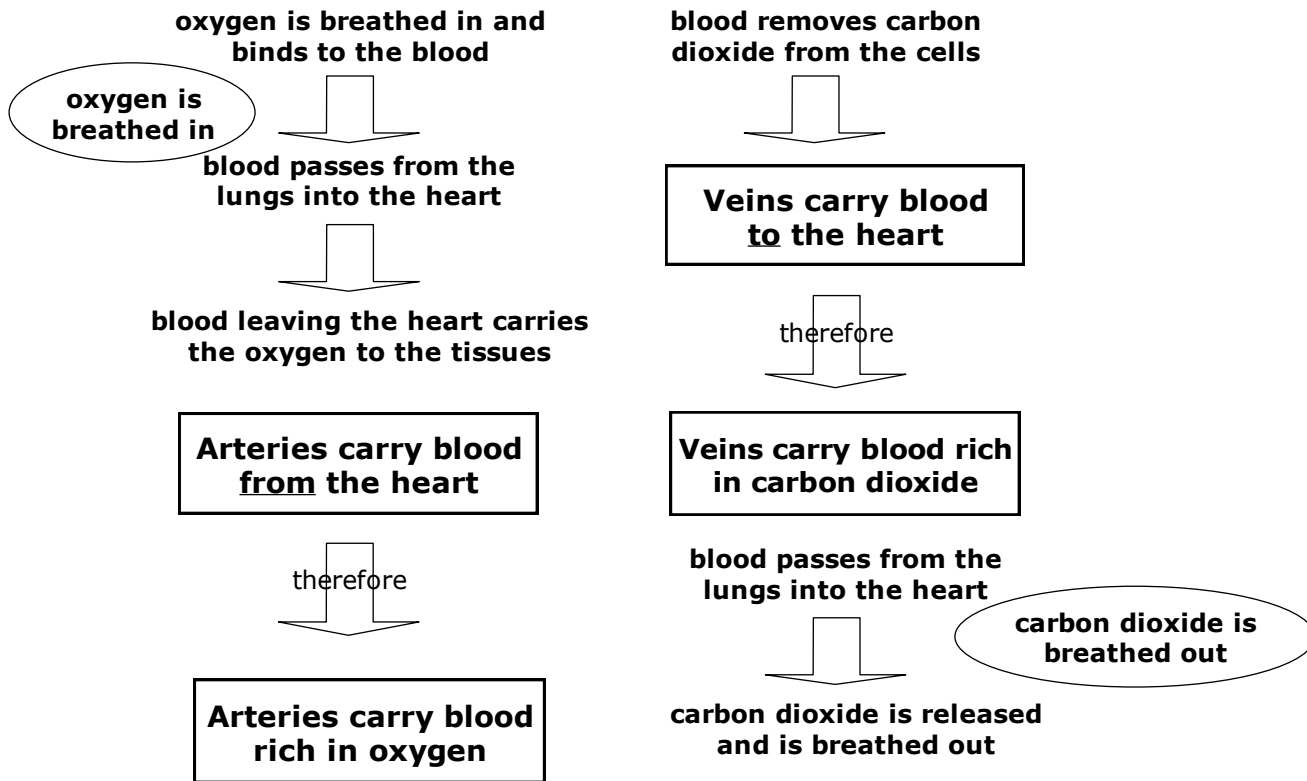
**blood flow can occur  
at a high pressure**

therefore

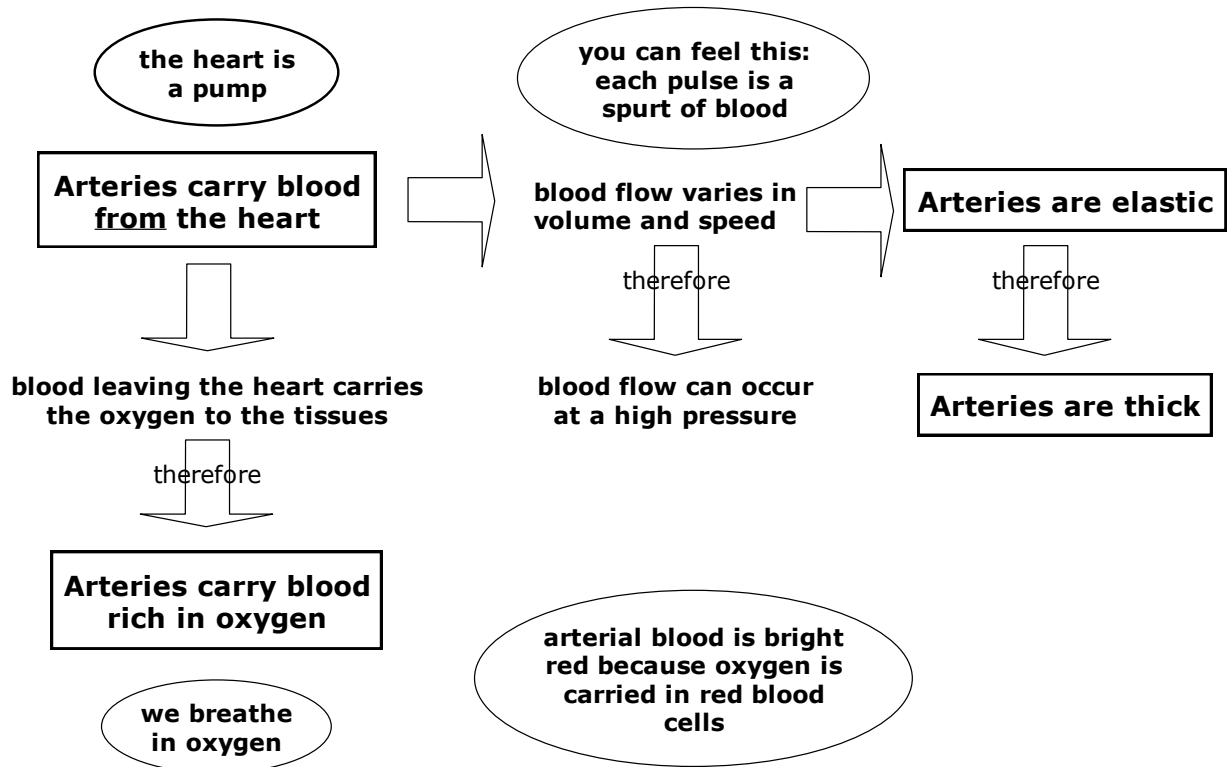


**Arteries are thick**

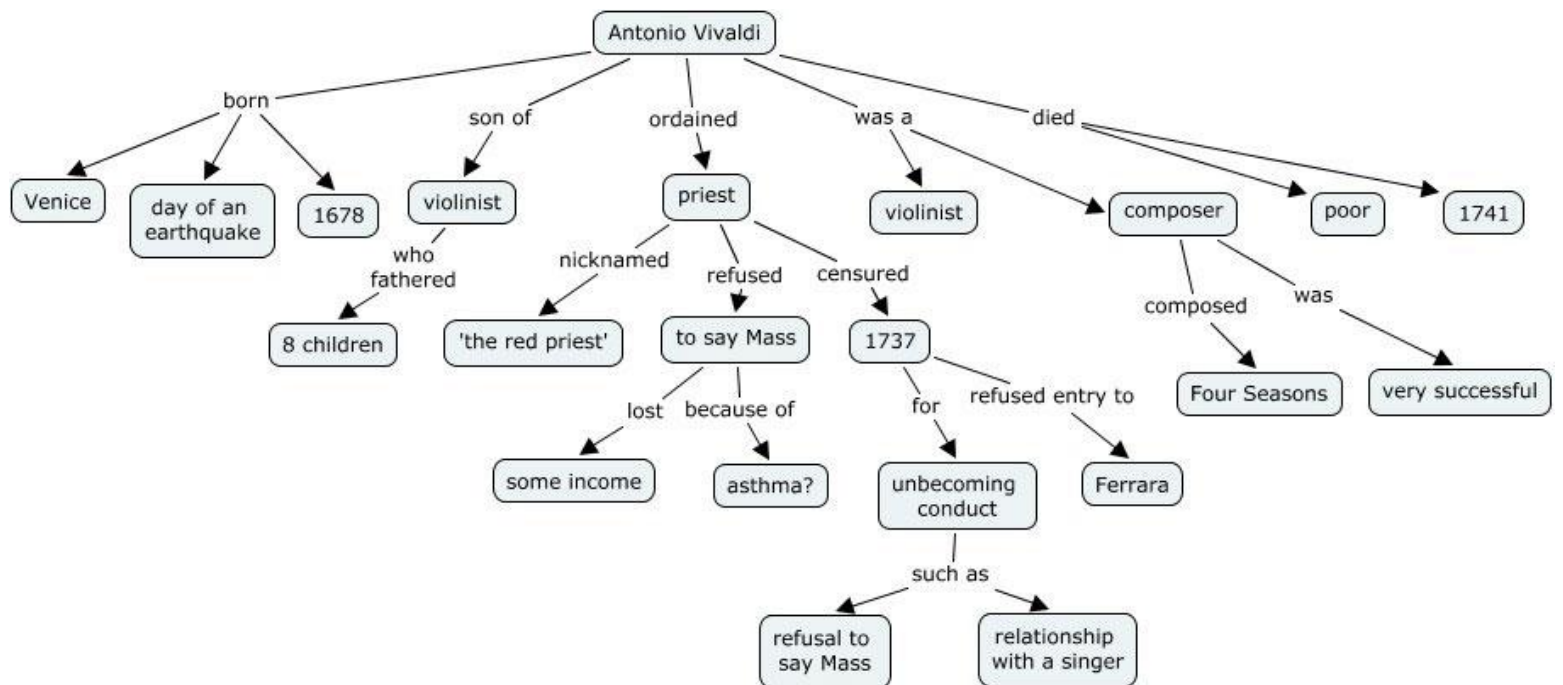
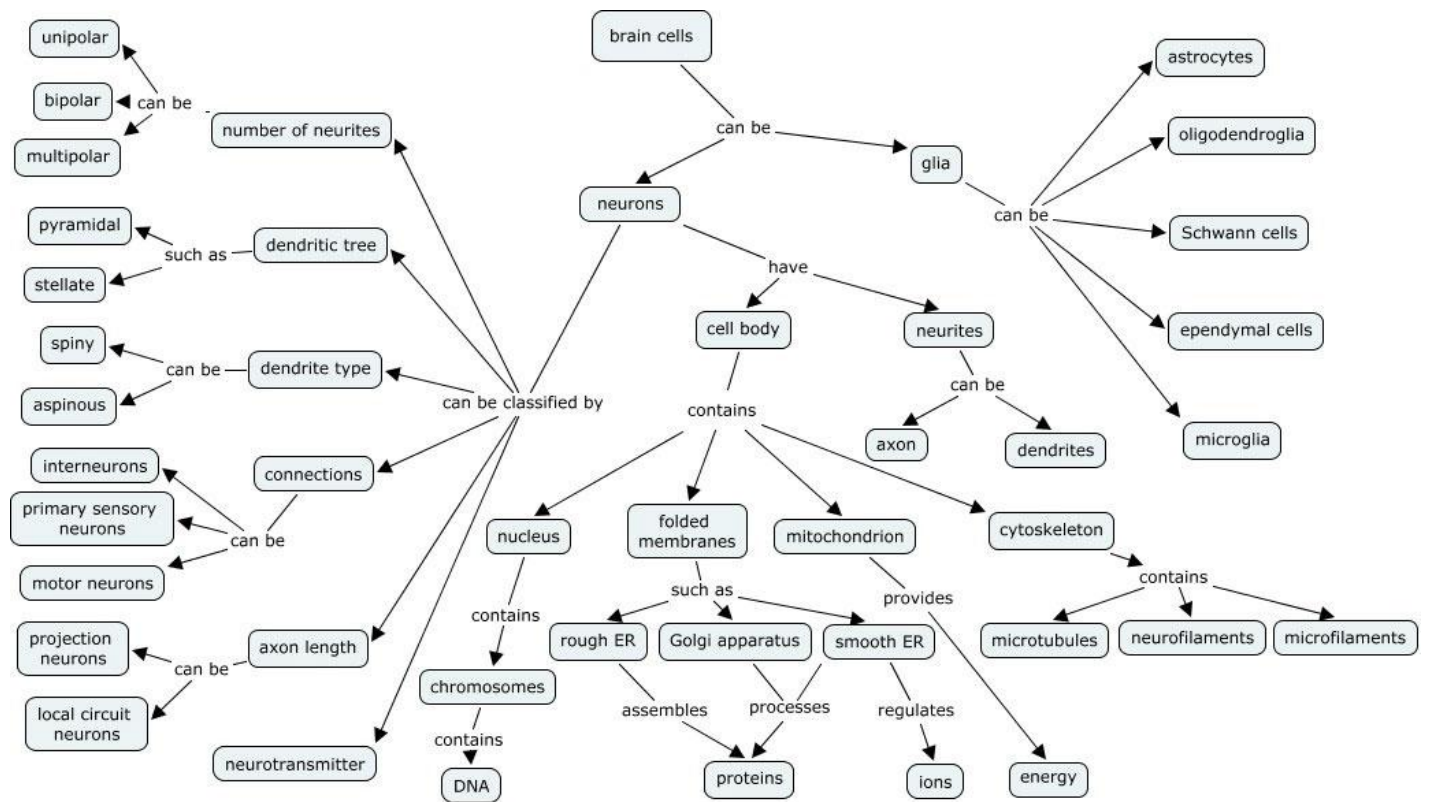


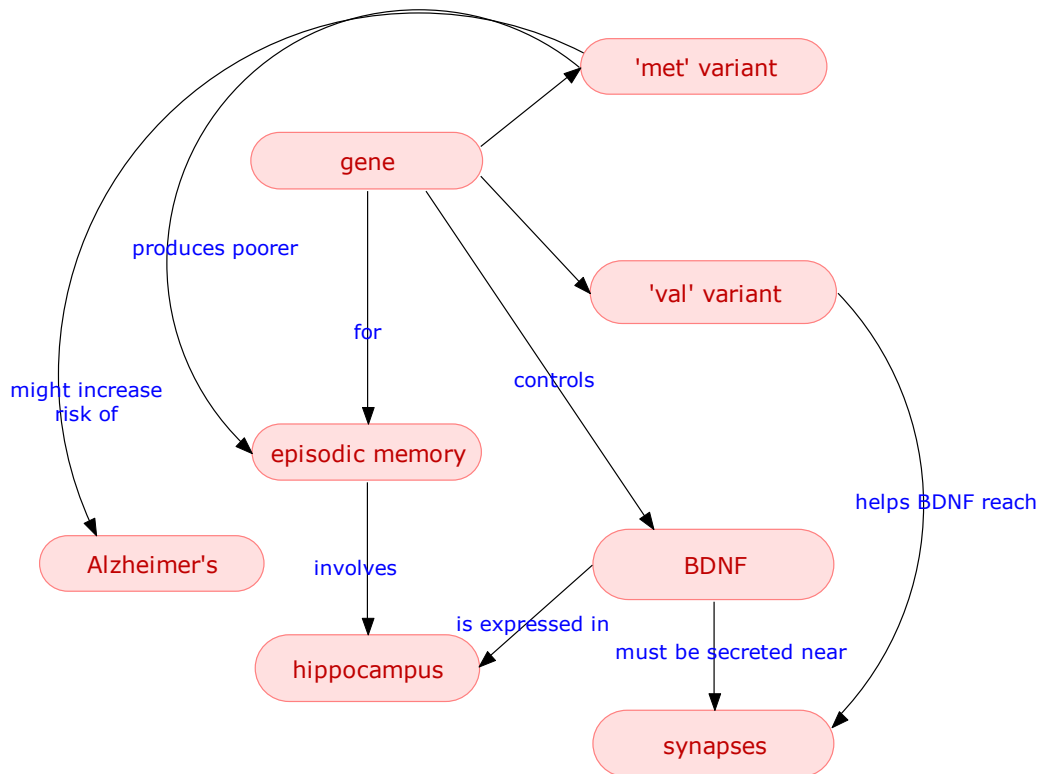
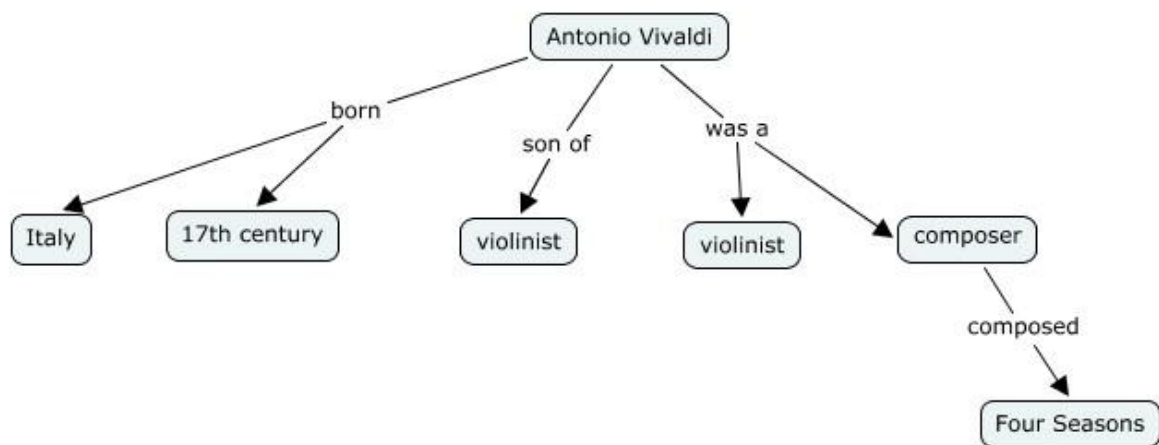


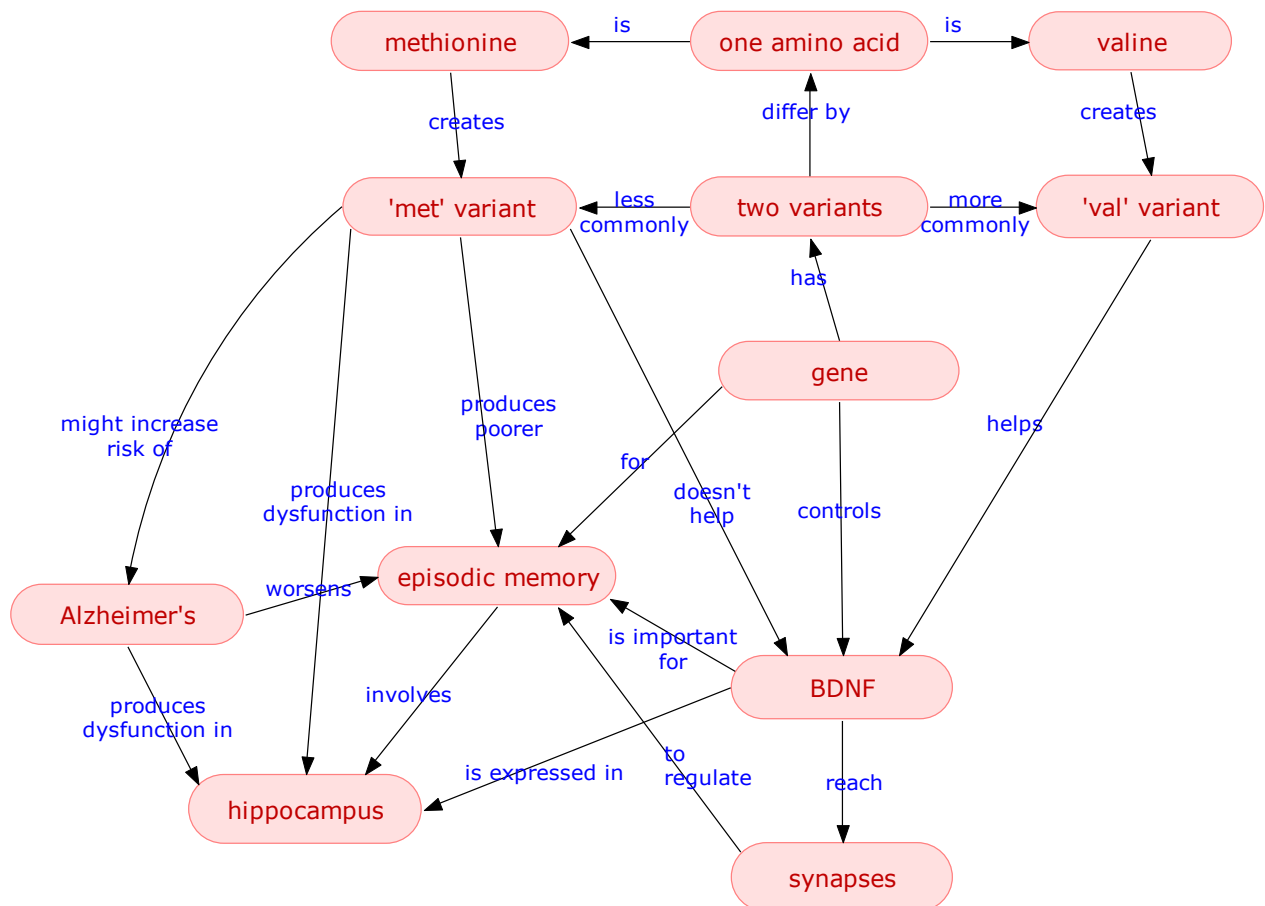
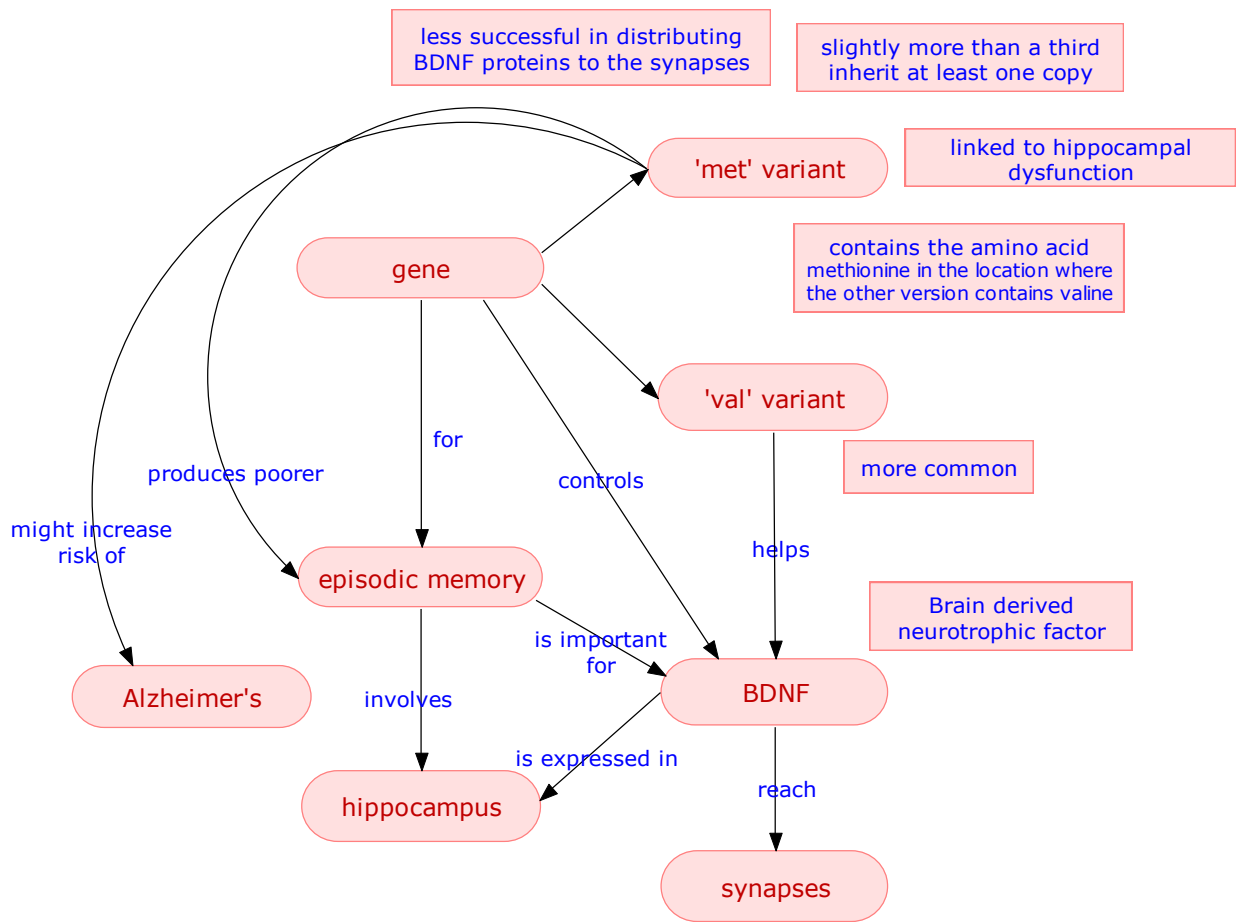
<b>Arteries are elastic</b>	because	they need to accommodate changes in pressure
<b>Arteries are thick</b>	because	they need to accommodate changes in pressure
<b>Arteries carry blood from the heart</b>	because	blood coming from the heart comes out at high pressure and in spurts of variable pressure
<b>Arteries usually carry blood rich in oxygen</b>	because	blood leaving the heart is rich in oxygen

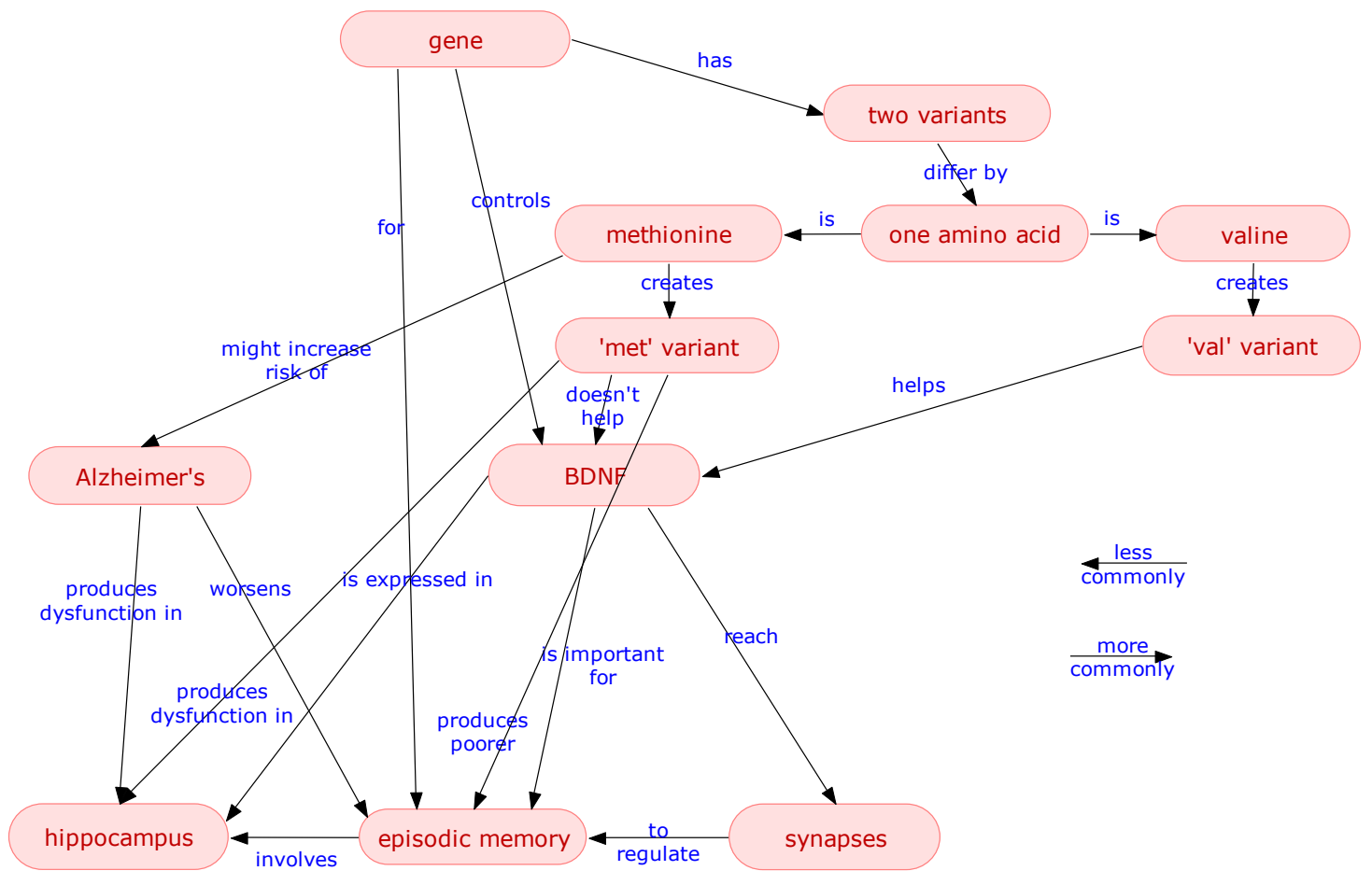






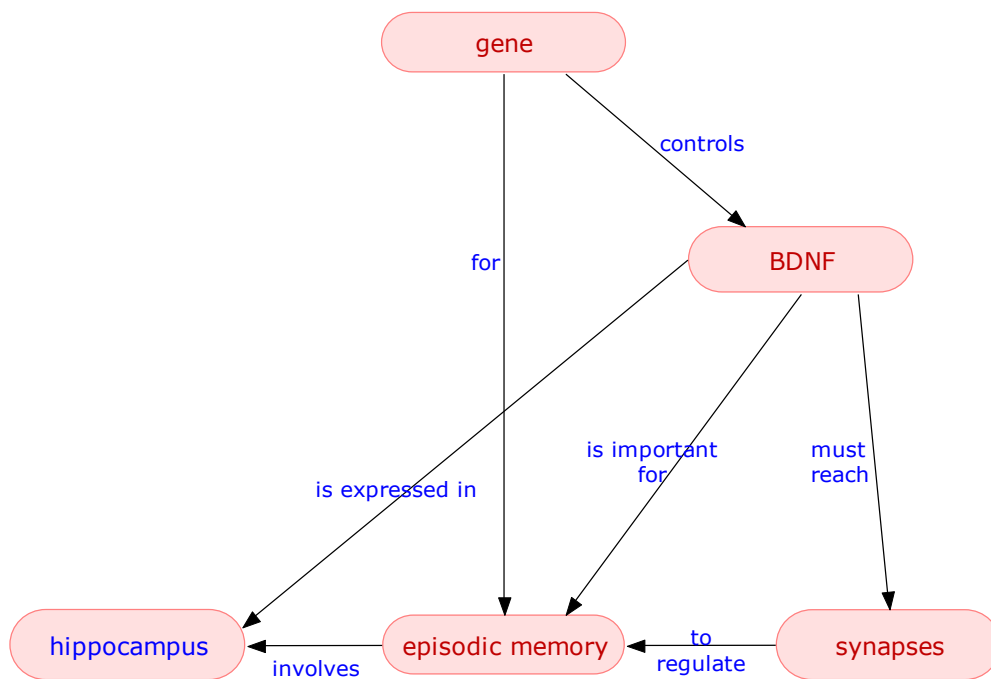


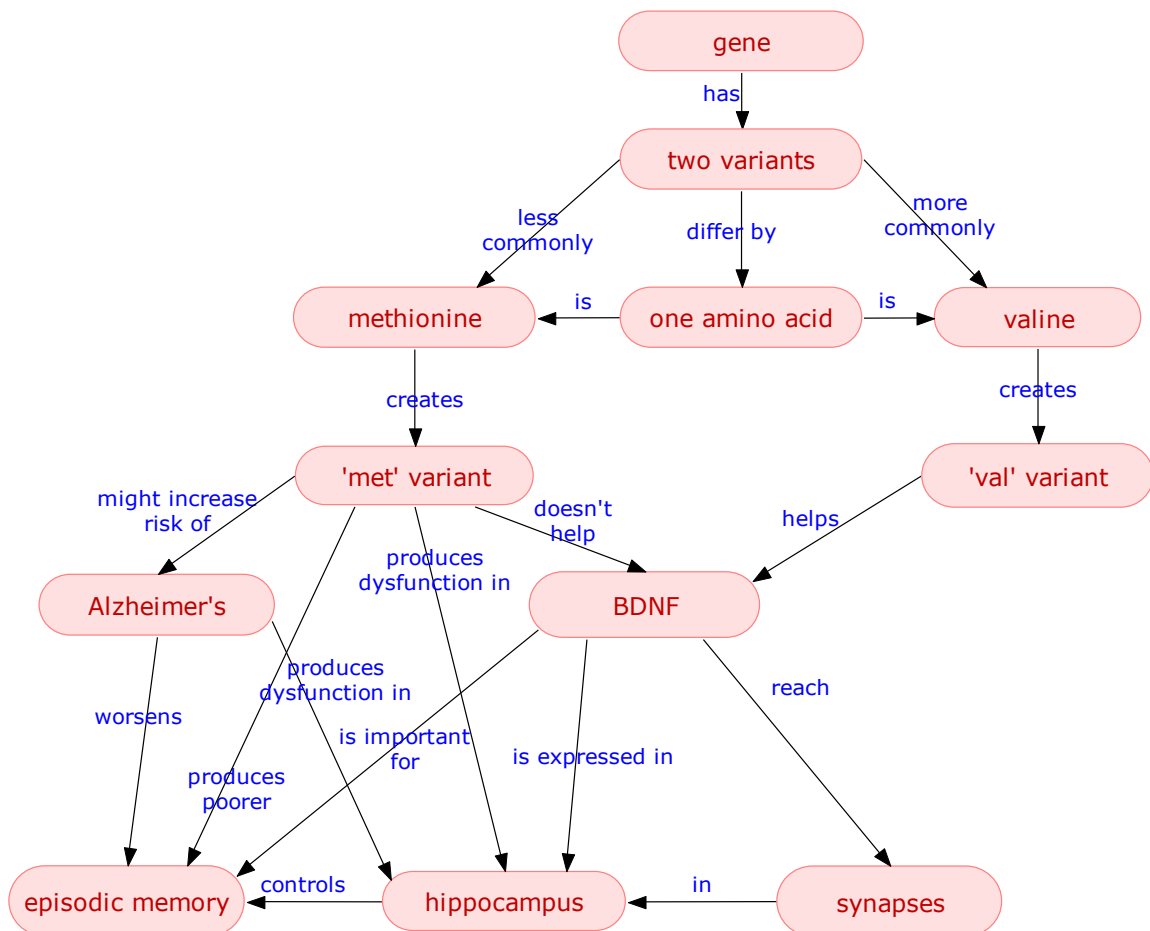
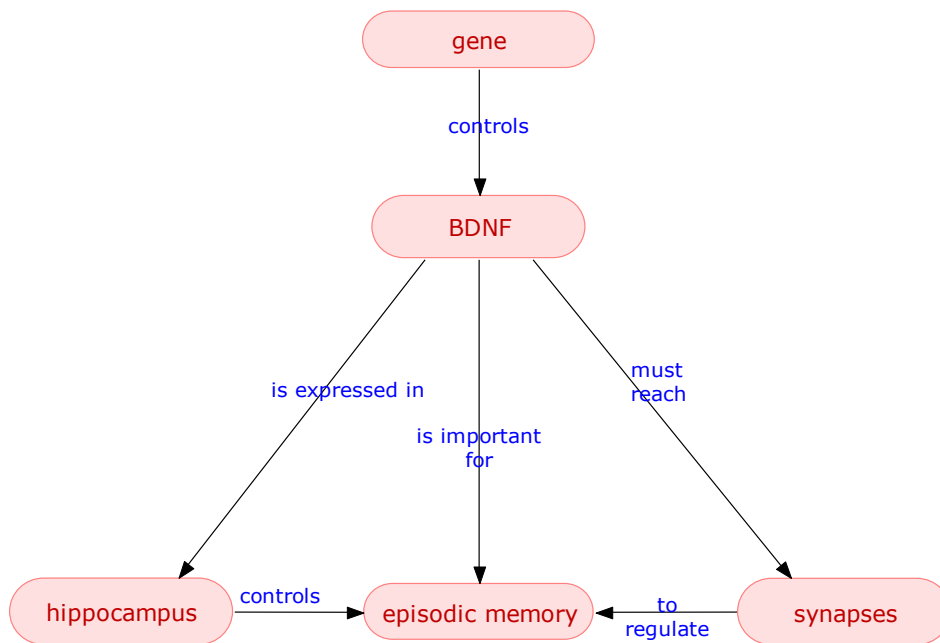


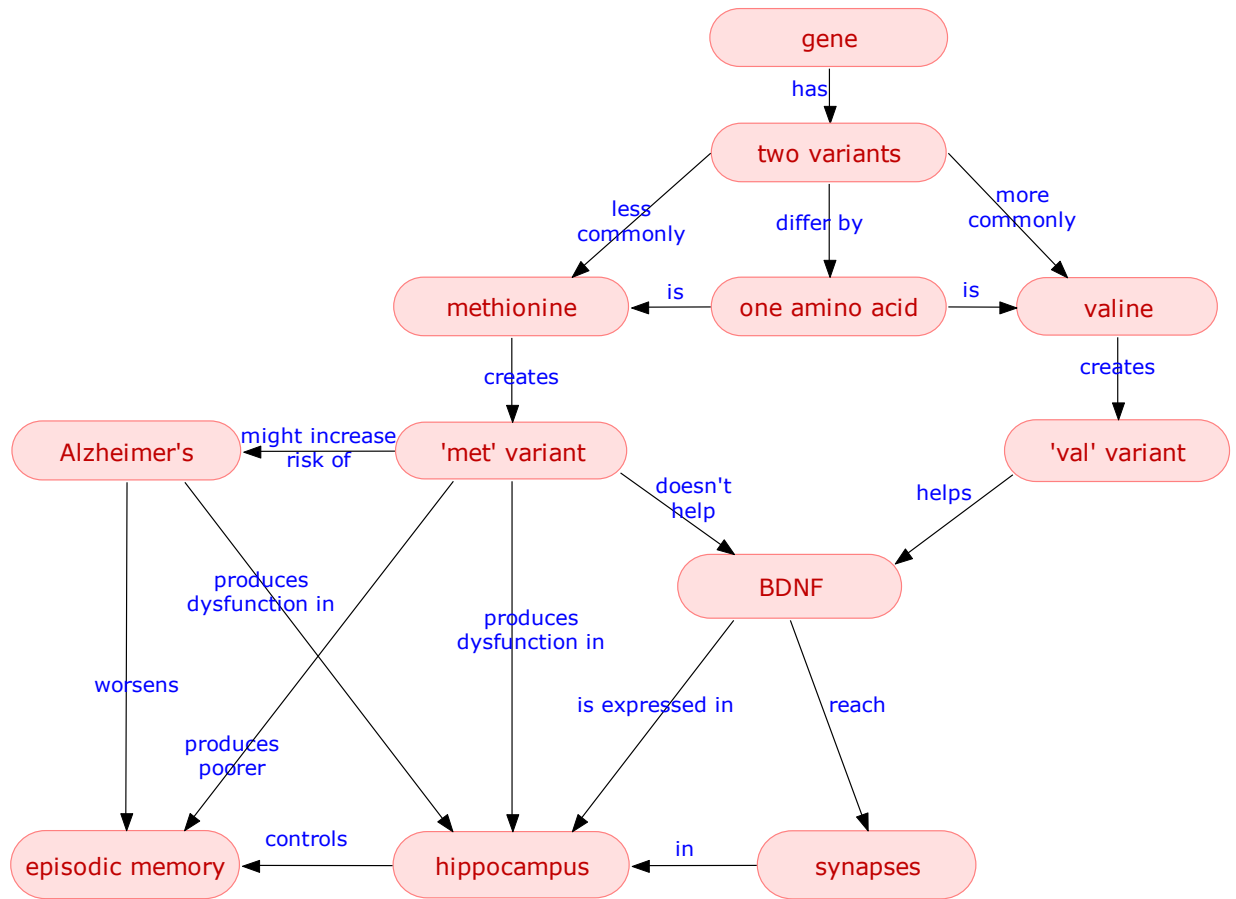


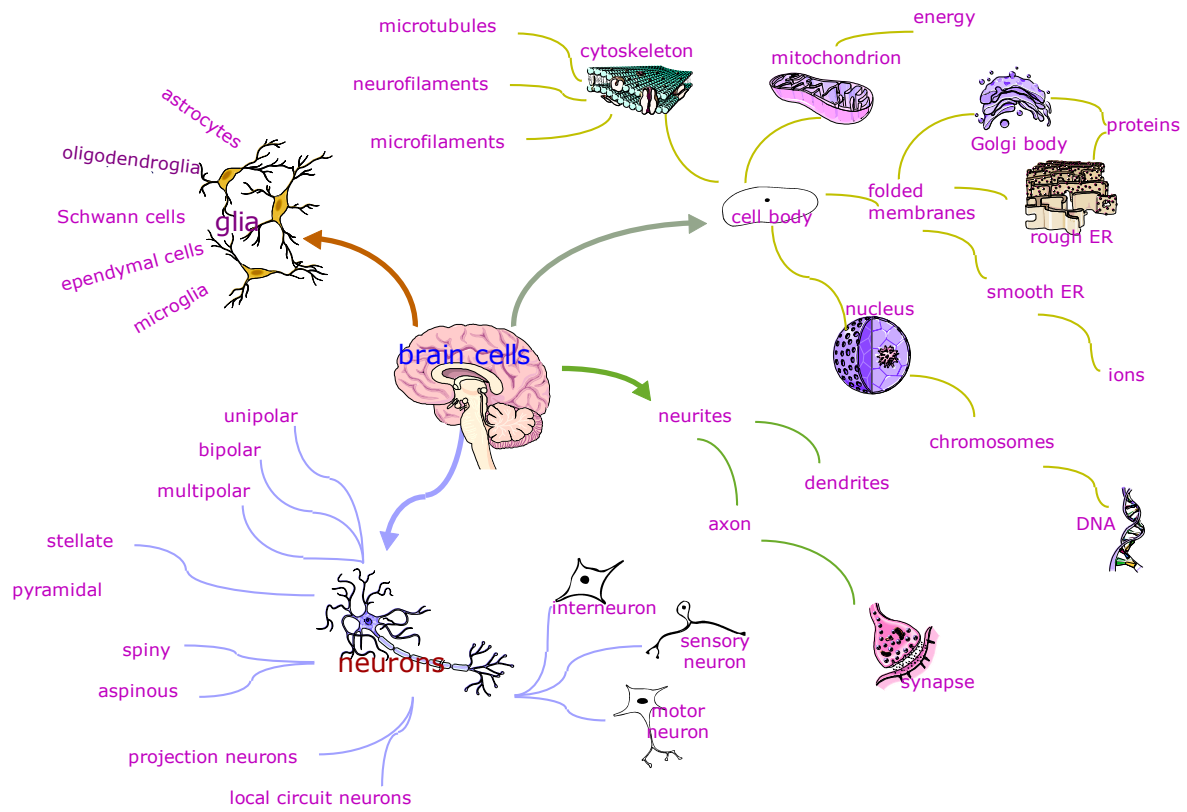
← less  
commonly

→ more  
commonly









## Assessment Tool

← Density →  
light (few ideas)      dense (many ideas)

← Structure →  
clear      confused

← Connectivity →  
connected      unconnected

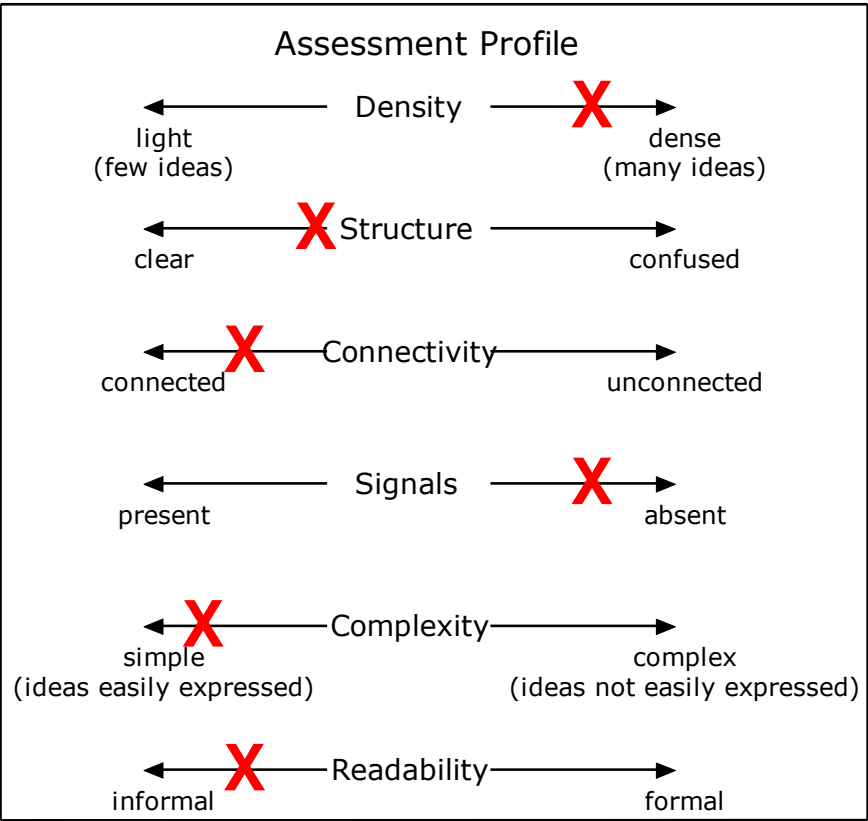
← Signals →  
present      absent

← Complexity →  
simple (ideas easily expressed)      complex (ideas not easily expressed)

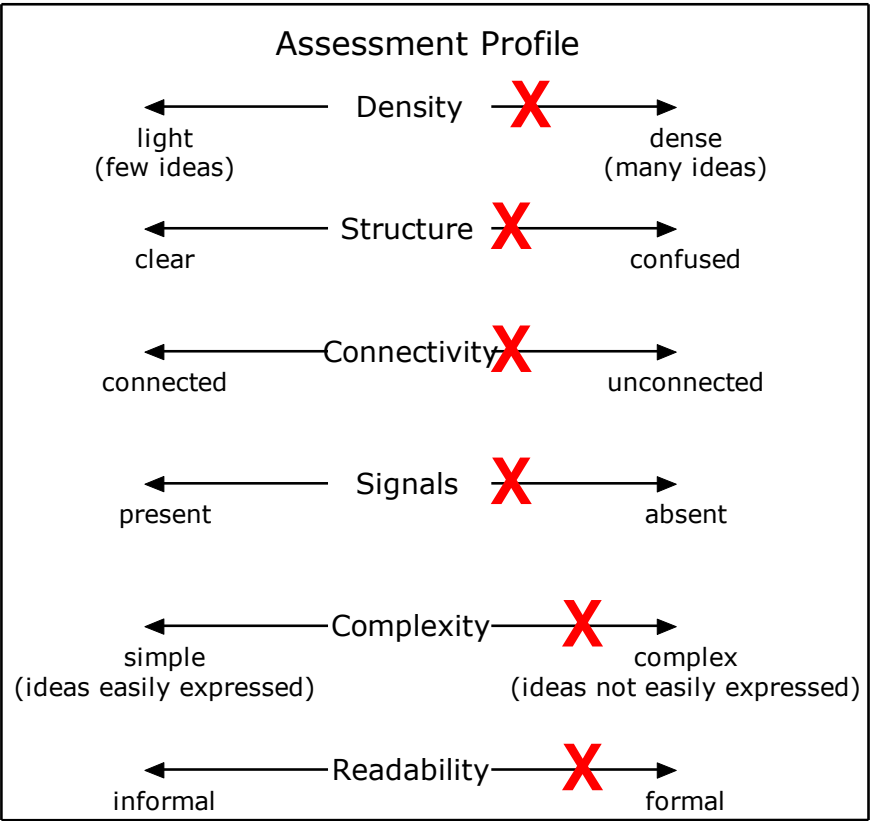
← Readability →  
informal      formal



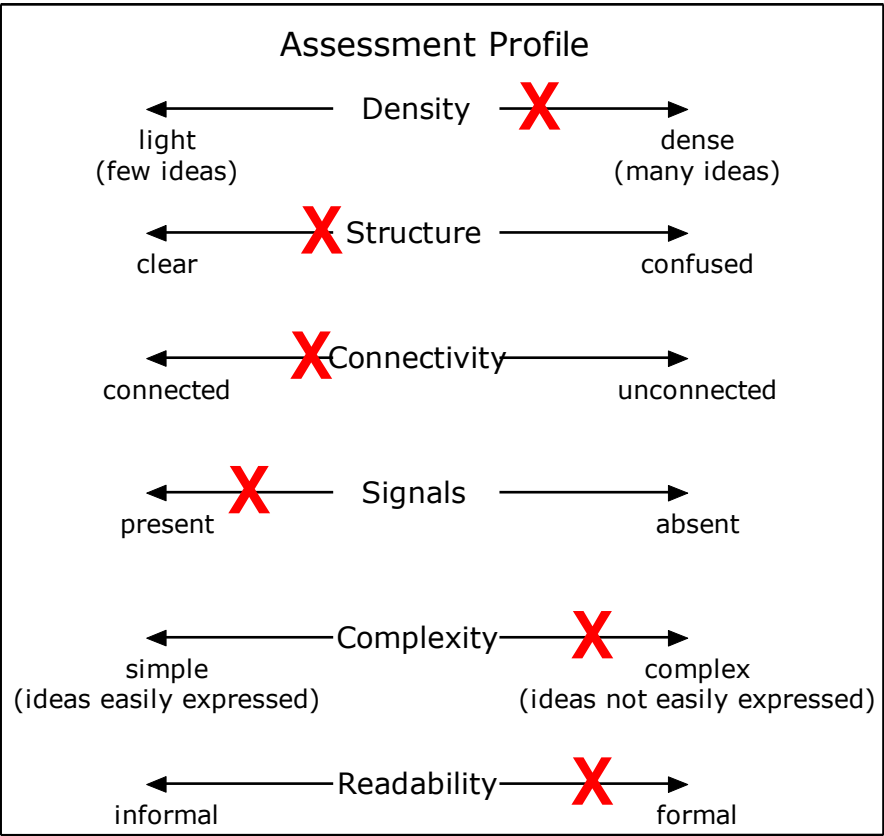
Profile for Benjamin Franklin text:



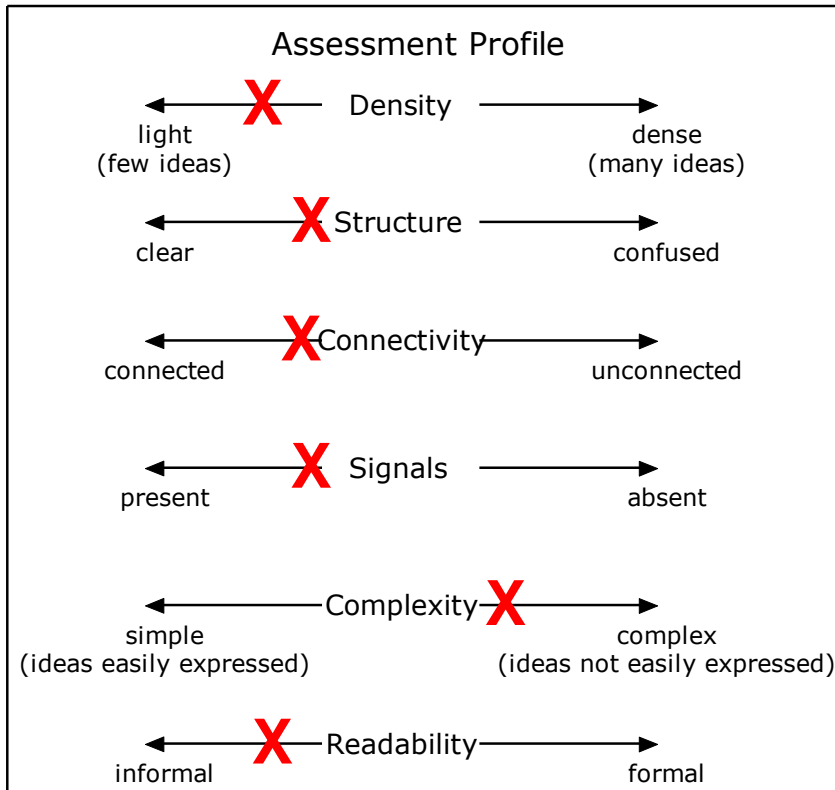
Profile of the original gene-for-memory text:



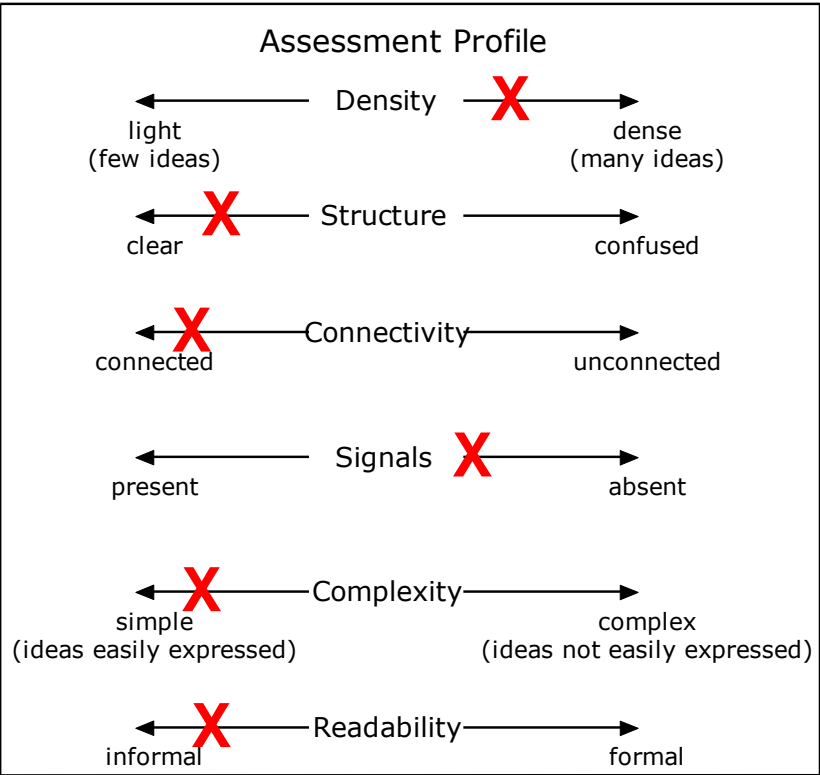
Profile for the final gene-for-memory text:



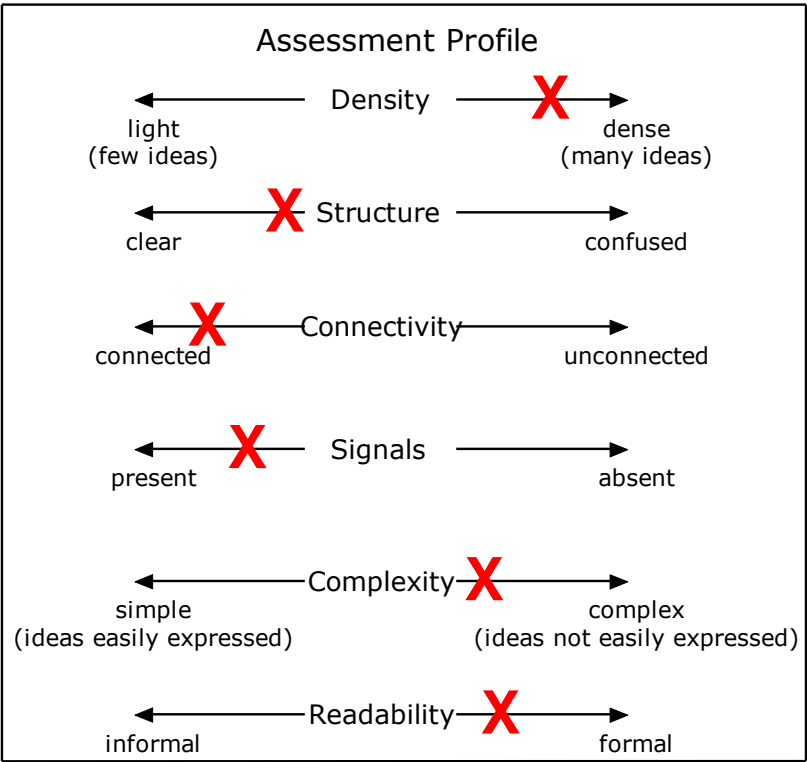
## The role of consolidation in memory



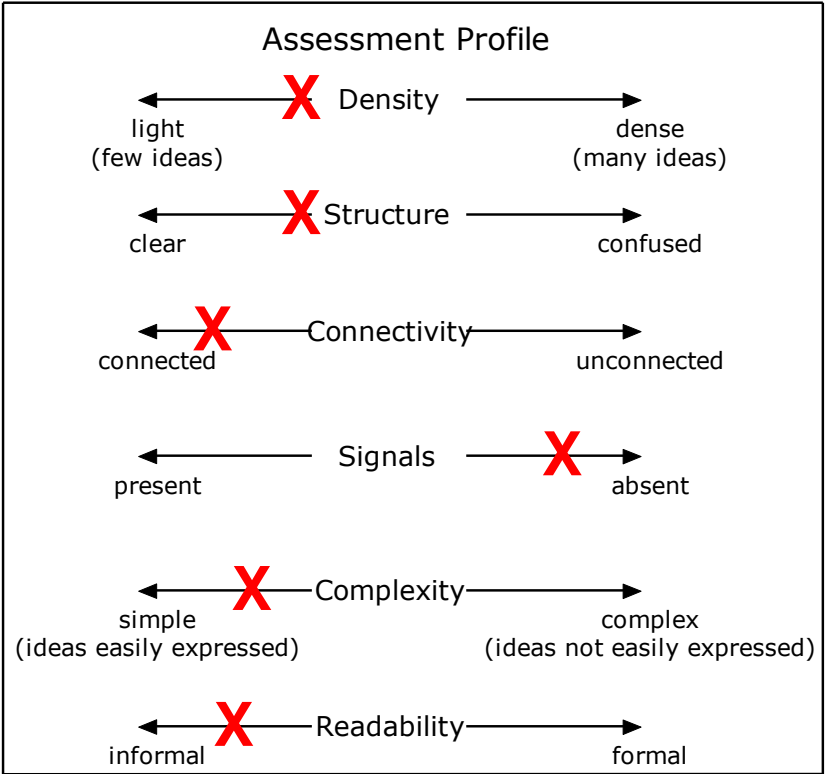
Early America



The relationship of ozone and ultraviolet radiation



How blood flows



Introducing brain cells

