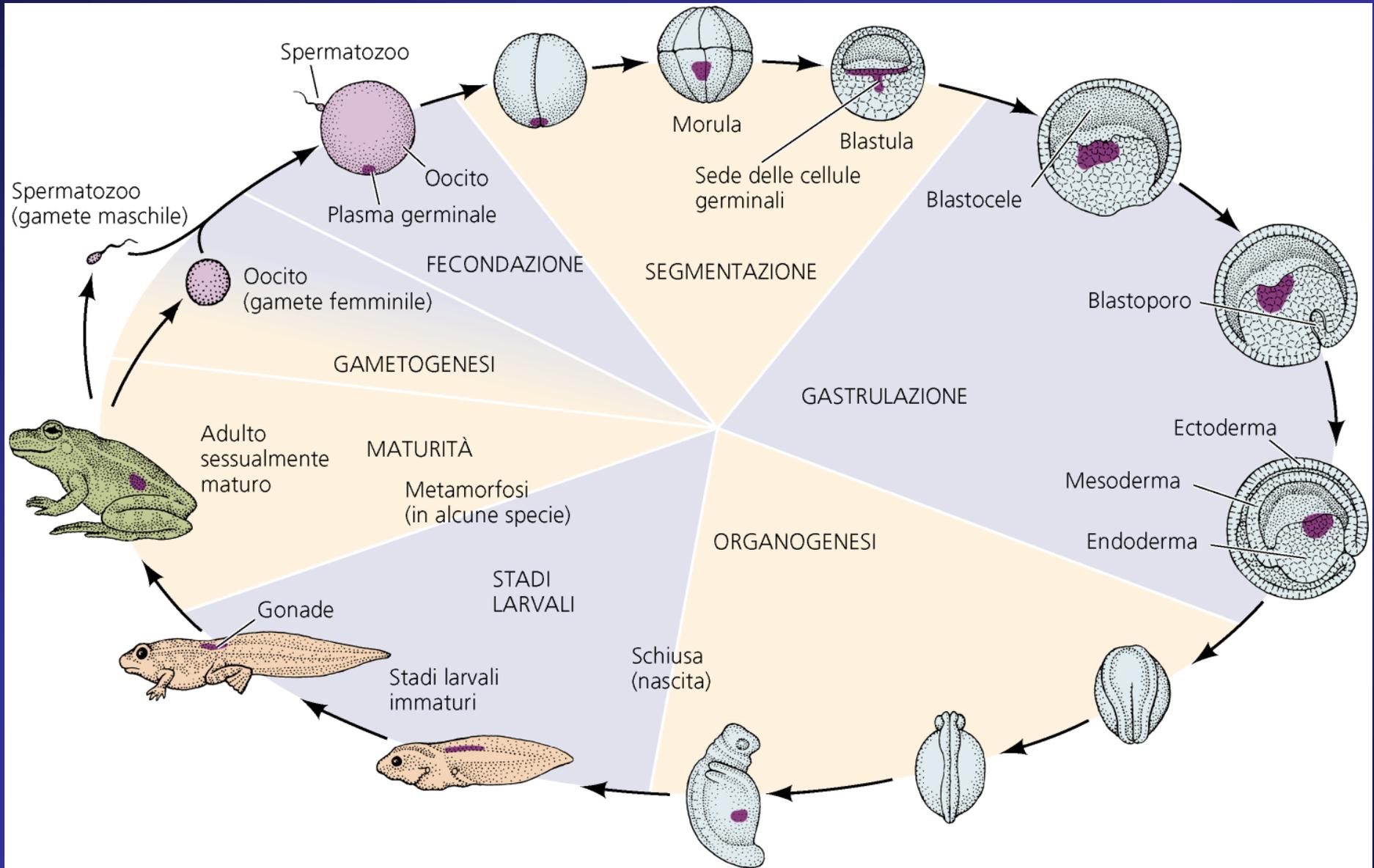
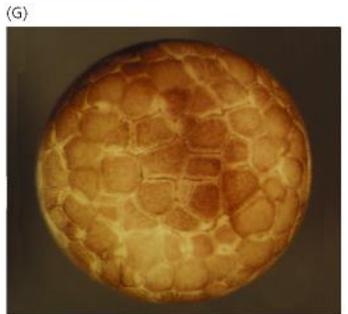
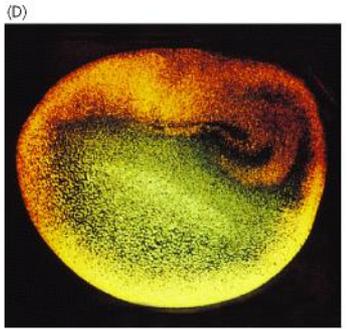
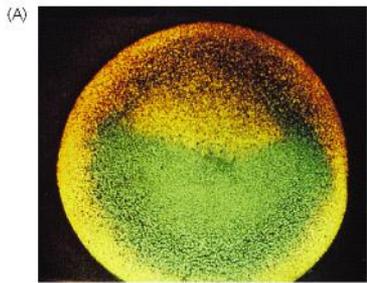
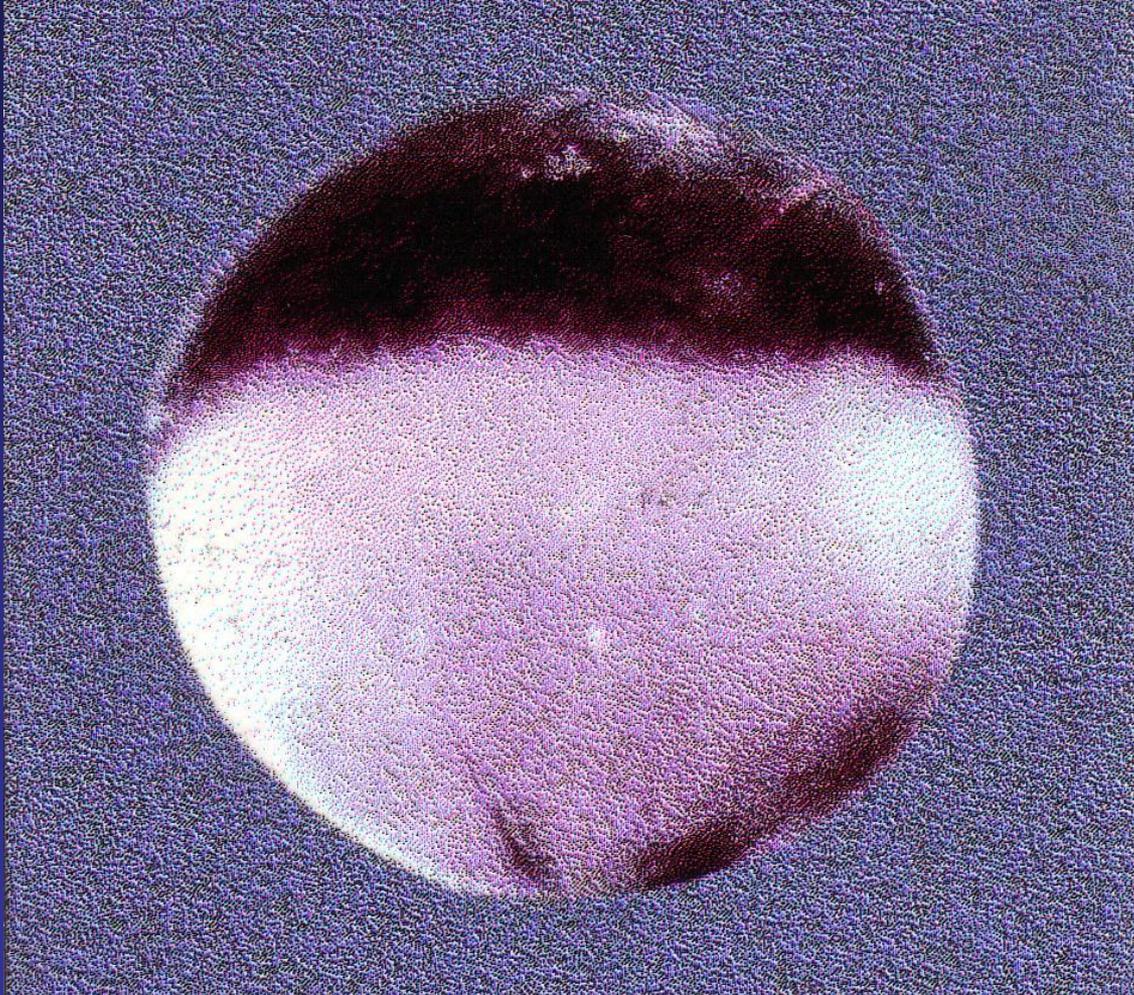


# Gli Anfibi





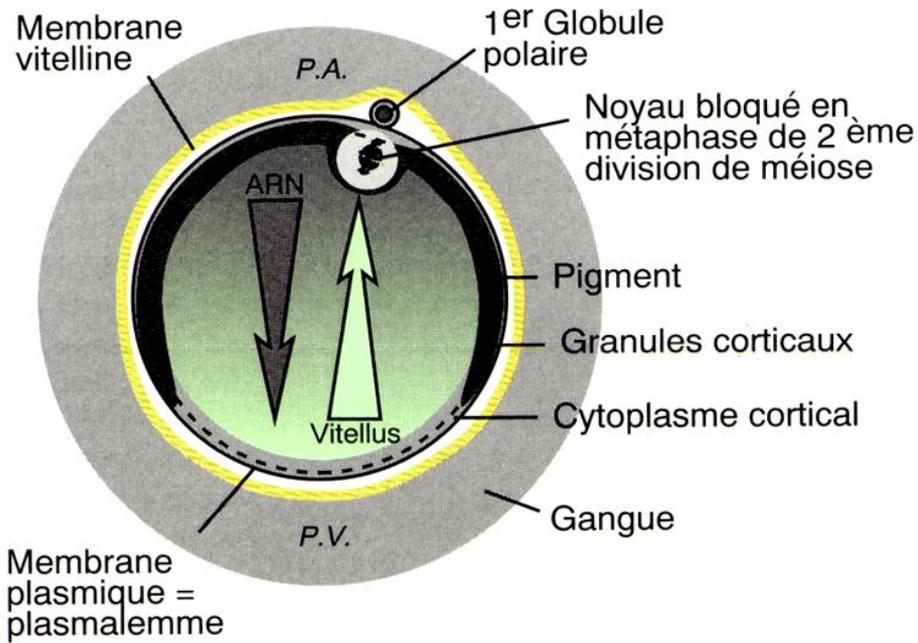


Uovo mesolecitico

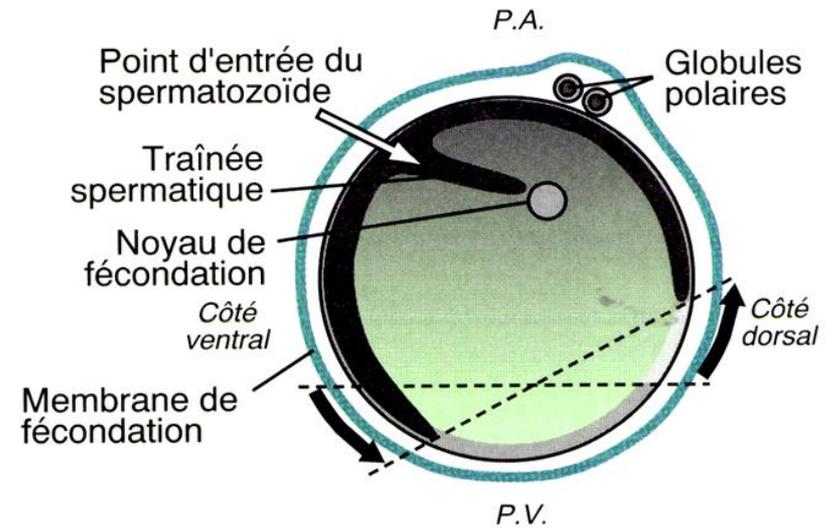
Sviluppo indiretto

# FECONDAZIONE

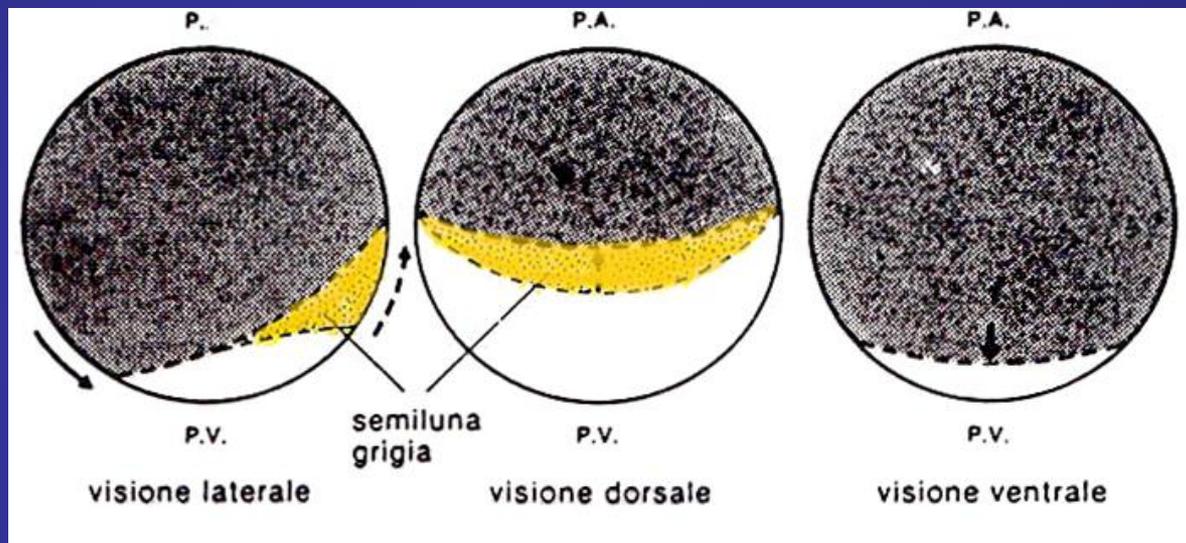
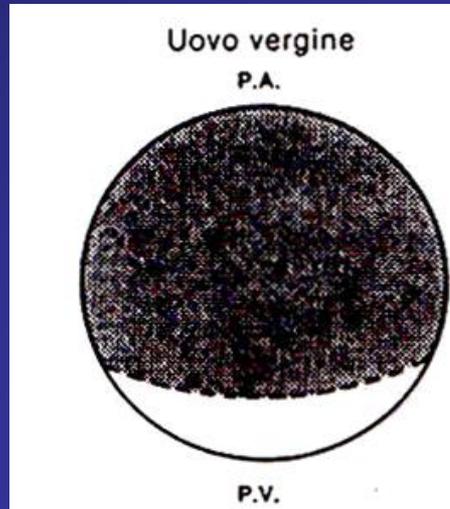
a) Œuf mûr, non fécondé



b) Rotation de symétrisation  
(l'œuf est représenté sans sa gangue)

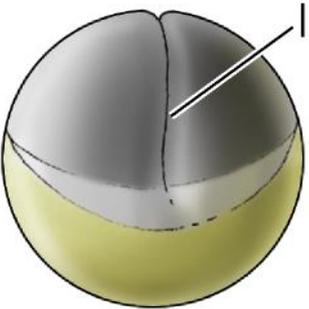


# ROTAZIONE CORTICALE

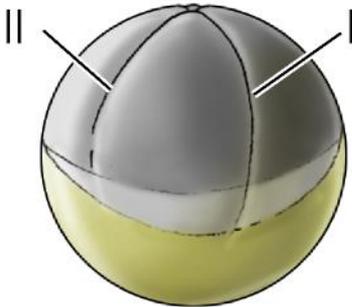


# Segmentazione oblastica diseguale bilaterale

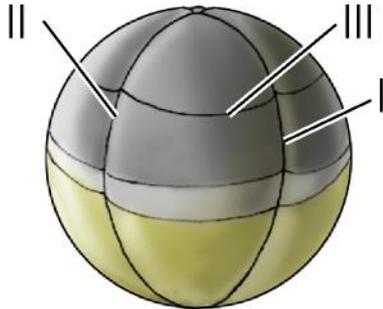
(A)



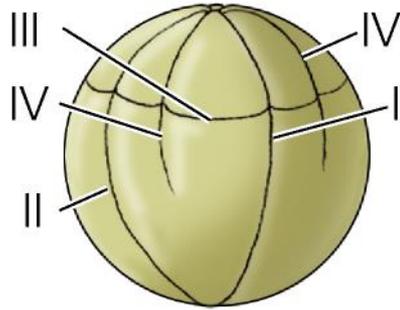
(B)



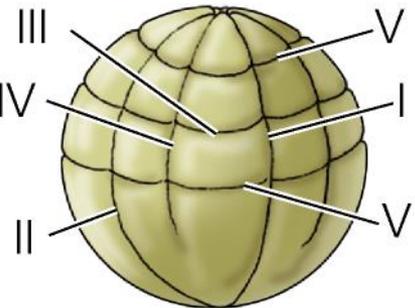
(C)



(D)



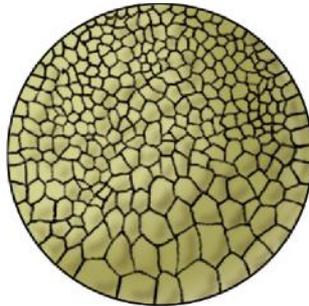
(E)



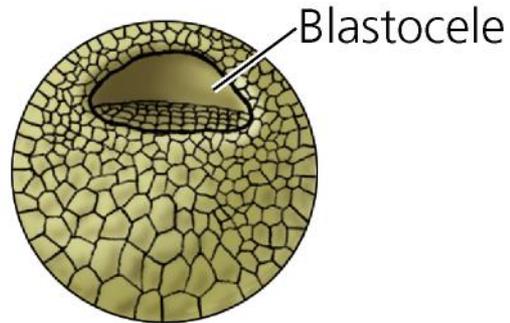
(F)



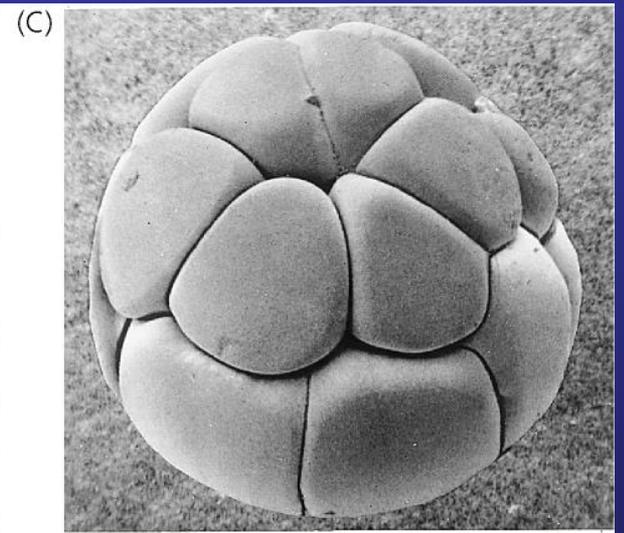
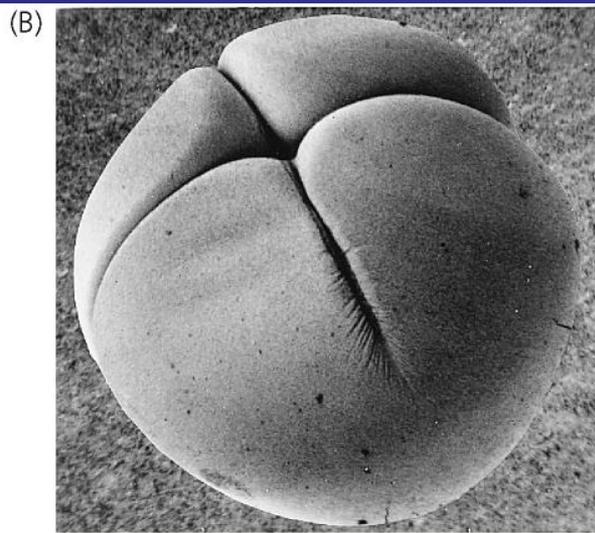
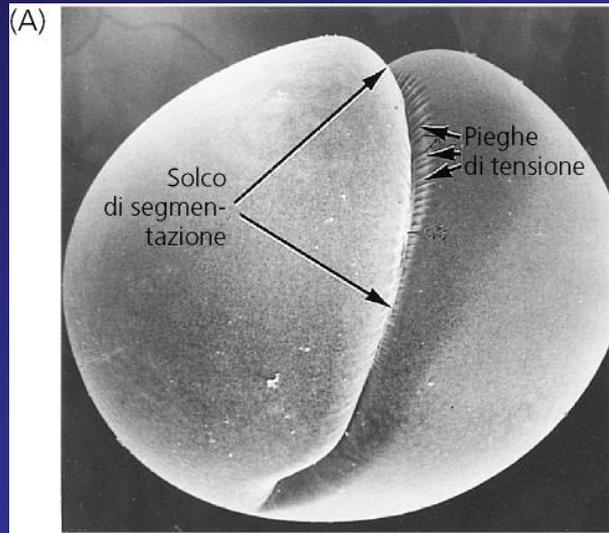
(G)



(H)



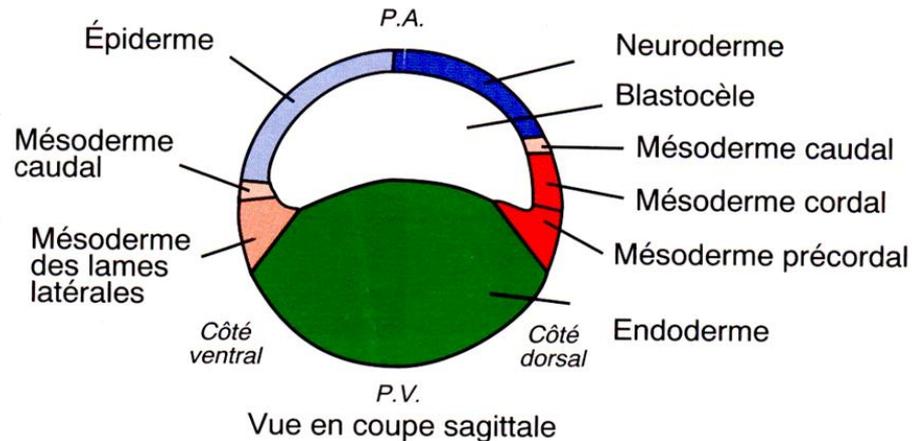
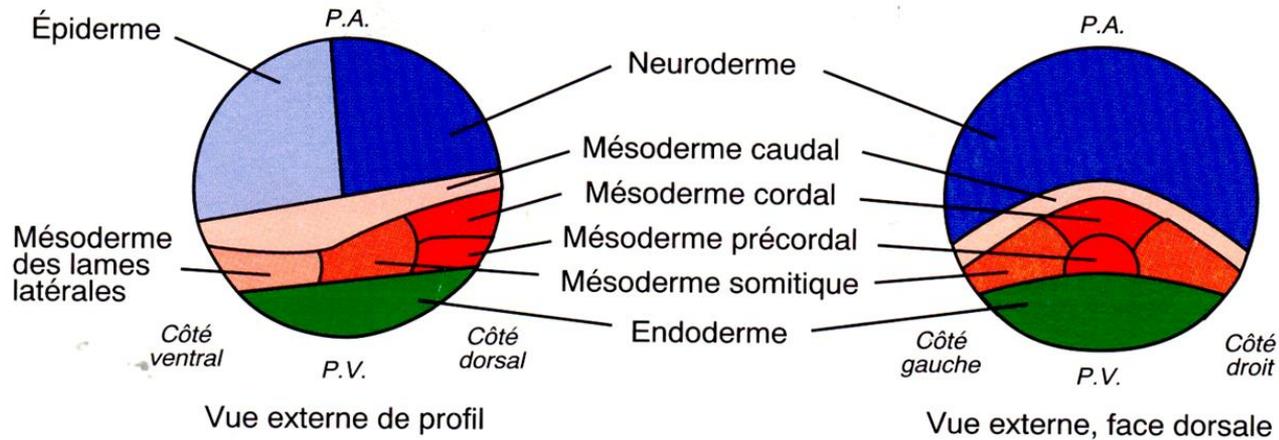
**MORULA**



# Territori presuntivi negli *Urodeli*

Ordine di Anfibi comprendente circa 560 specie suddivise in 9 famiglie di salamandre, tritoni, protei.

b) Urodèles

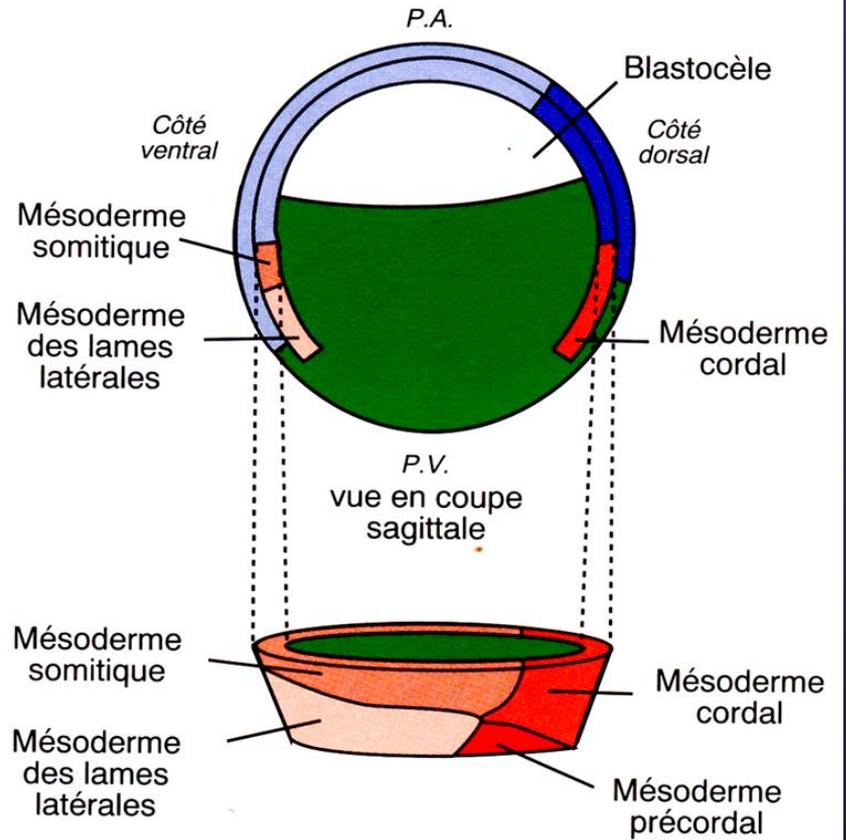
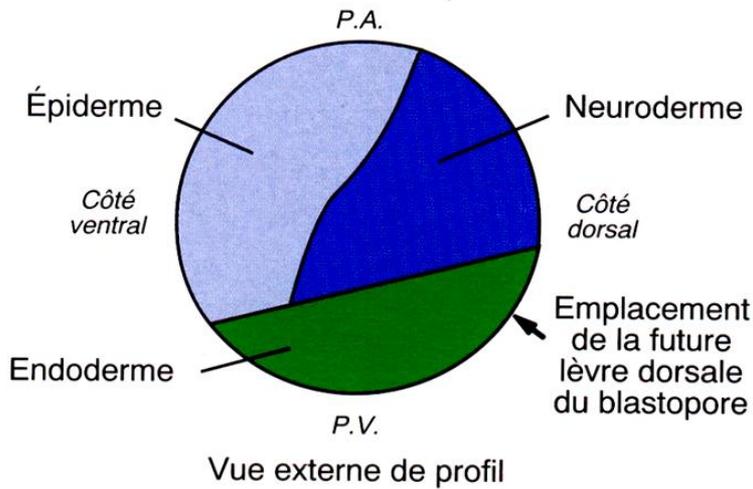




# Territori presuntivi Anuri

Ordine di anfibis cui appartengono oltre 7450 specie, comunemente definite rane, rospi e raganelle

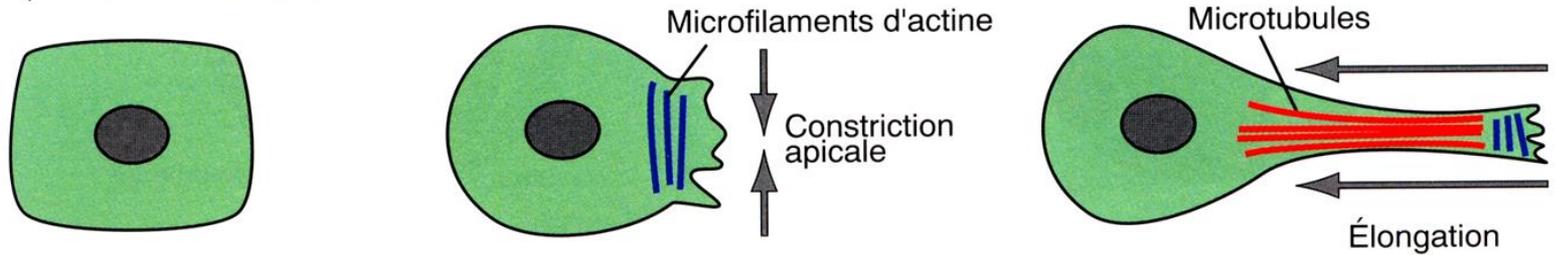
a) Xénope



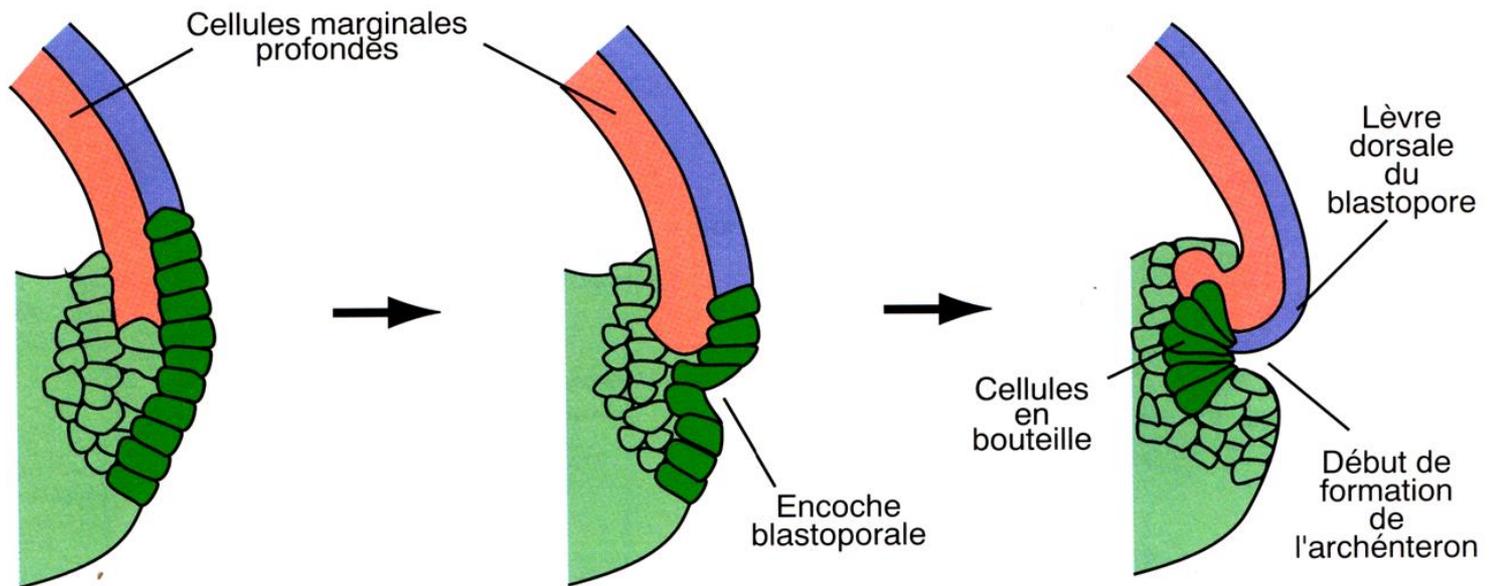
Projection montrant la répartition du mésoderme

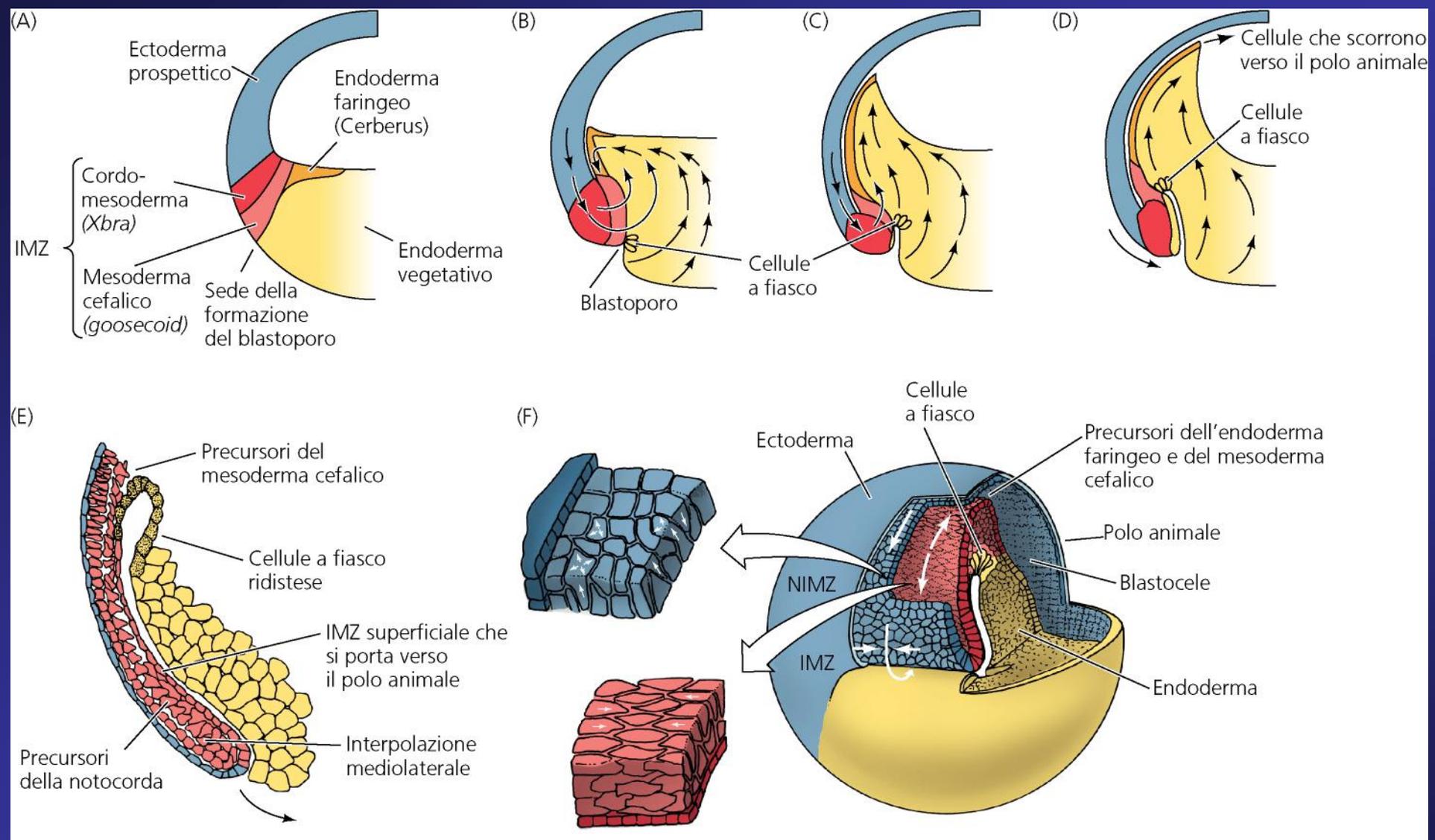
# Gastrulation

b) Formation des cellules en bouteille



c) Schémas de la formation de l'archentéron

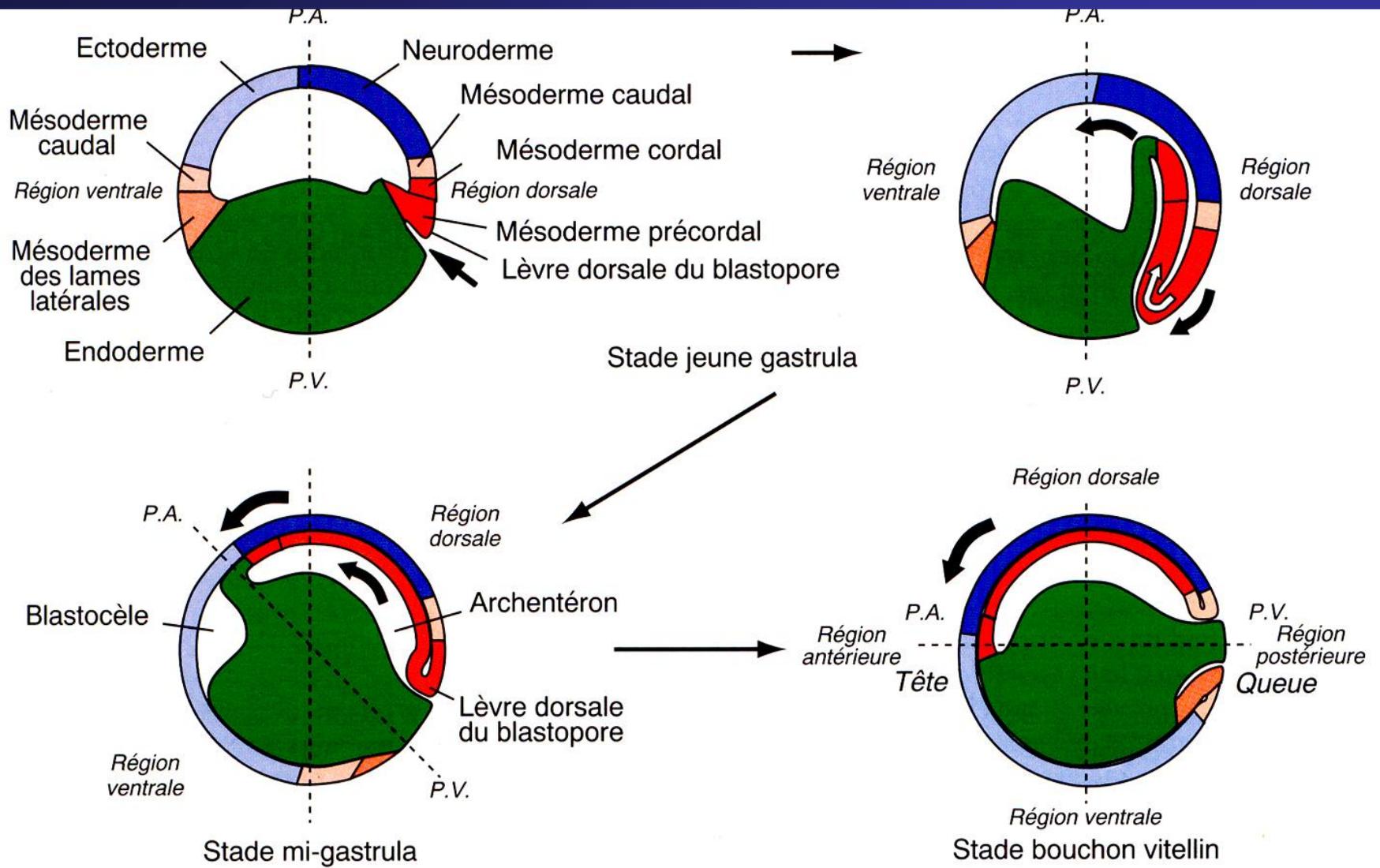




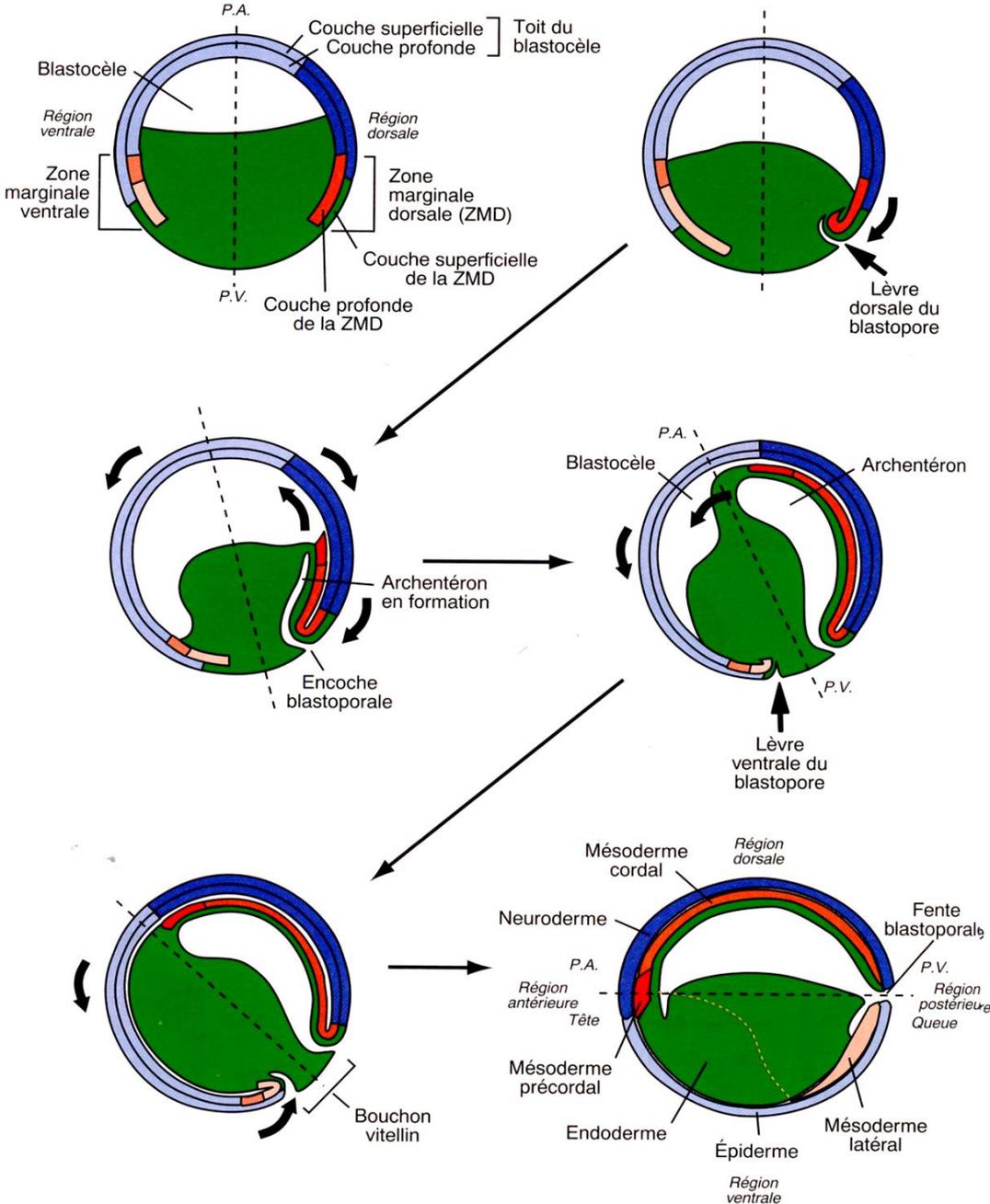
Invaginazione

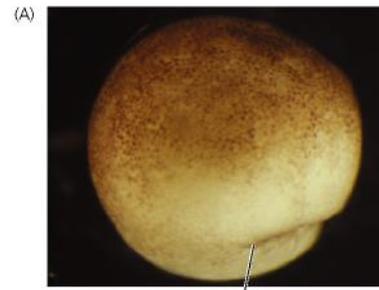
Involuzione

Epibolia



Urodeli



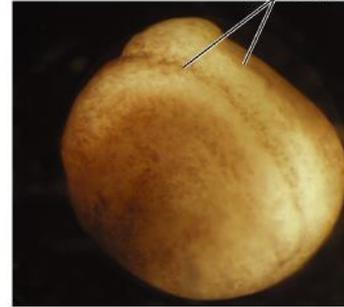
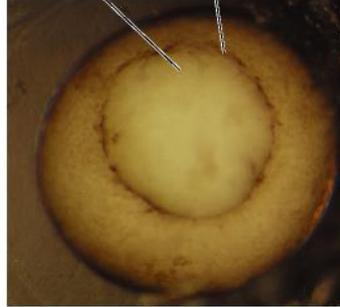


Labbro dorsale del blastoporo  
Pieghe neurali

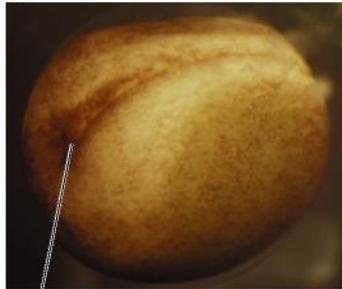
(B) Labbro dorsale del blastoporo



(C) Tappo vitellino Blastoporo



(E)



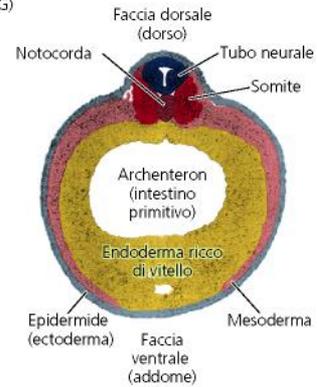
Doccia neurale

(F)

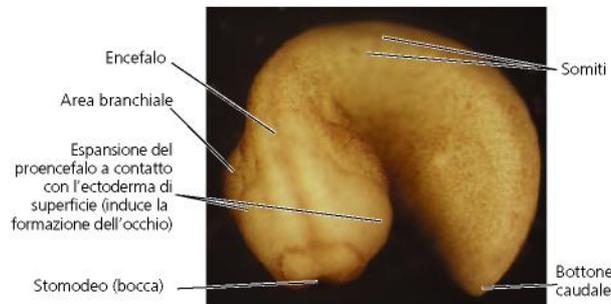


Tubo neurale aperto

(G)

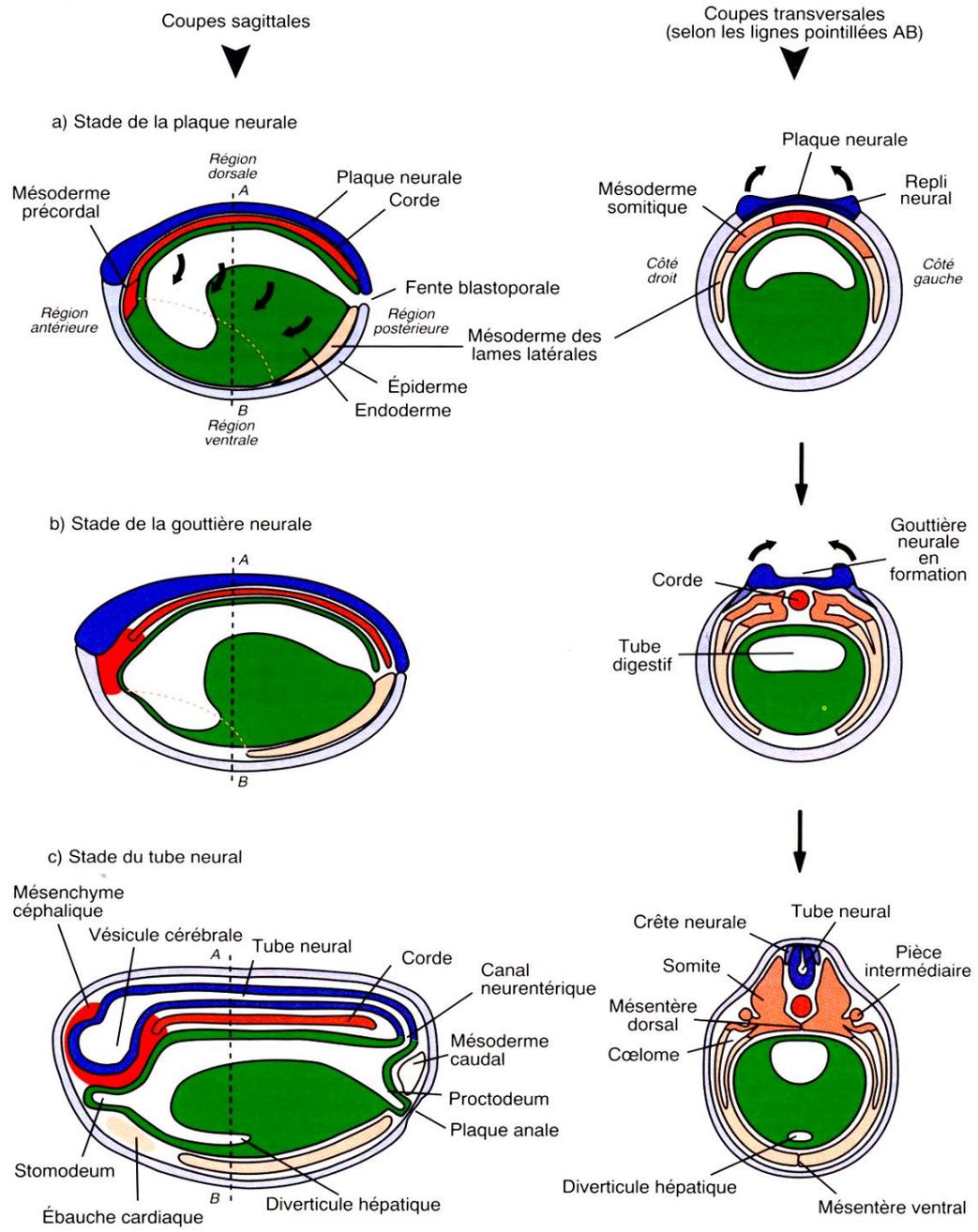


(H)



(I)



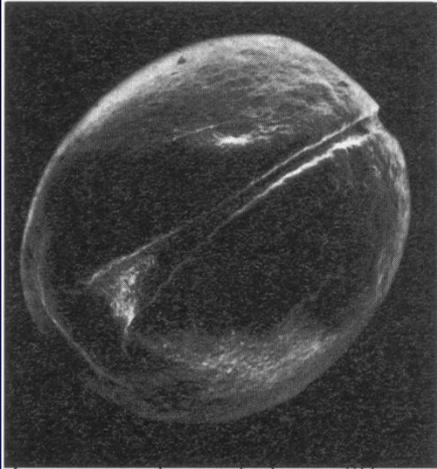


# Neurulation

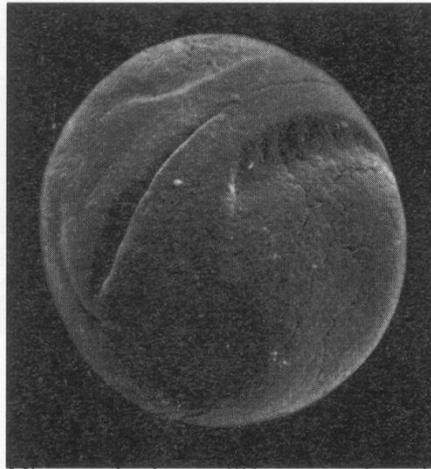
Piastra neurale  
Pliche neurali  
Creste neurali

Mesoderma  
M. Somitico  
M. Intermedio  
M. Laterale

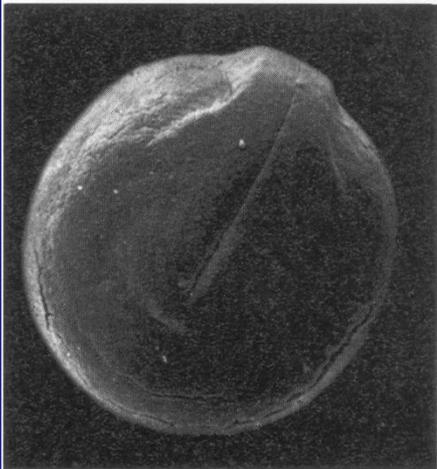
b) La neurulation, microphotographies d'embryons de xénope (les embryons sont dégangés et sans membrane de fécondation, x 50)



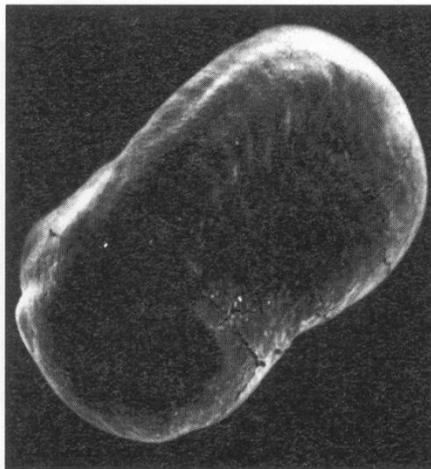
Jeune neurula au stade gouttière neurale



Mi-neurula, la gouttière neurale est fermée dans la région troncale

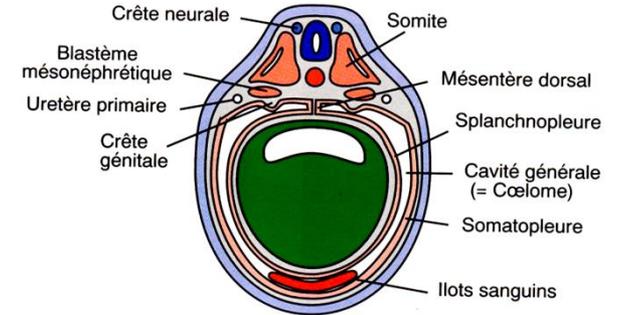


Neurula âgée



Jeune bourgeon caudal

b) Coupe transversale selon AB



## Somite

1. Cartilagine vertebrale e costale
2. Muscolo striato
3. Derma

# Metamorfosi

**Pre-metamorfosi: accrescimento girino, Presenza di branchie, progressivo sviluppo arti posteriori.**

**Metamorfosi: arti anteriori, regressione pinna caudale e coda, modificazione tubo digerente, sviluppo polmoni.**

**Controllo ormonale:  
ipofisi- ormone tireotropo  
Tiroide- ormone tiroxina**

