



Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura

Animals, Health and Resilience

Our responsibility for the land and the diverse role of the animals

Deepen Biodynamics
4th – 25th September 2023

Alysoun Bolger: alysoun.bolger@demeter.net
Jean-Michel Florin: : jean-michel.florin@goetheanum.ch
Johannes Wirz: : johannes.wirz@goetheanum.ch



Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura

Welcome



Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura

Plants and Animals

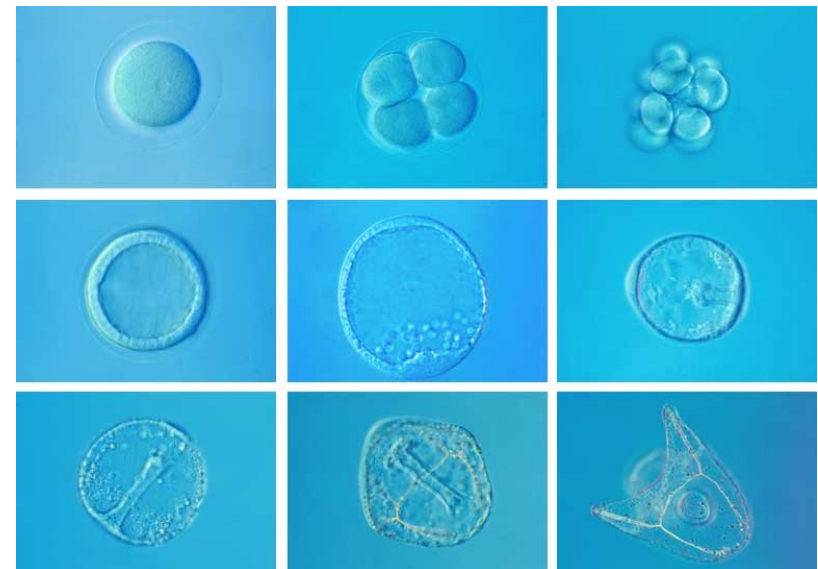
Alysoun Bolger

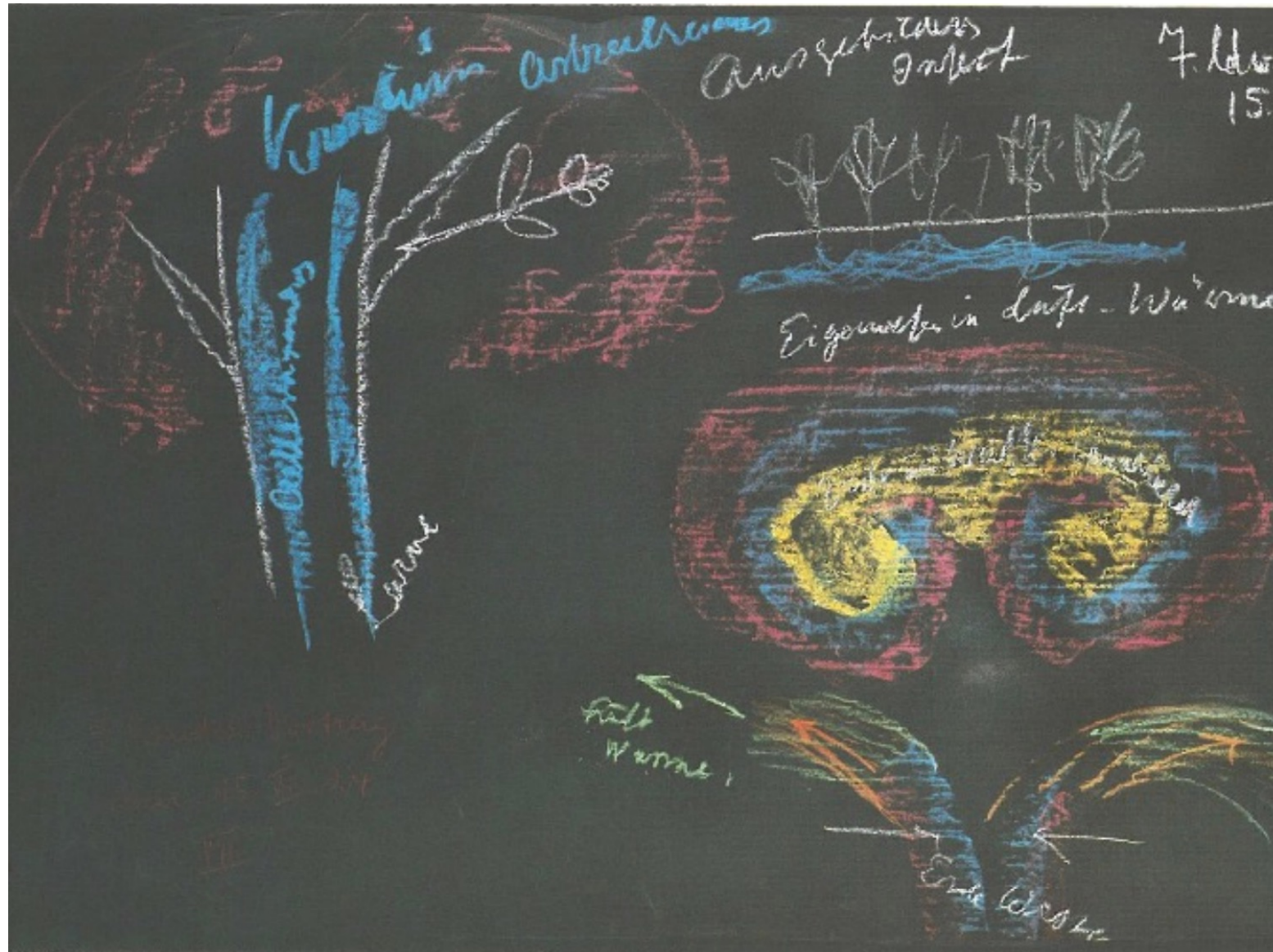


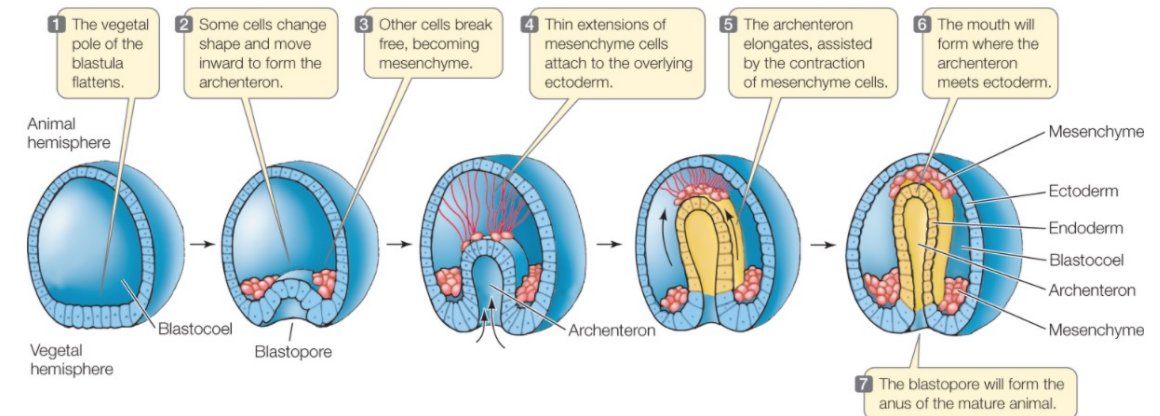
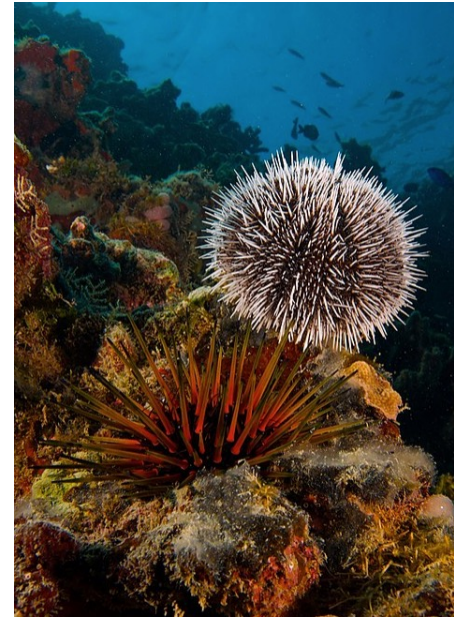
Green
Surfaces
Inside/outside
Rooted
Sensitivity
Breathing in CO_2
Breathing out O_2
Uptake of nutrients
Unfolding

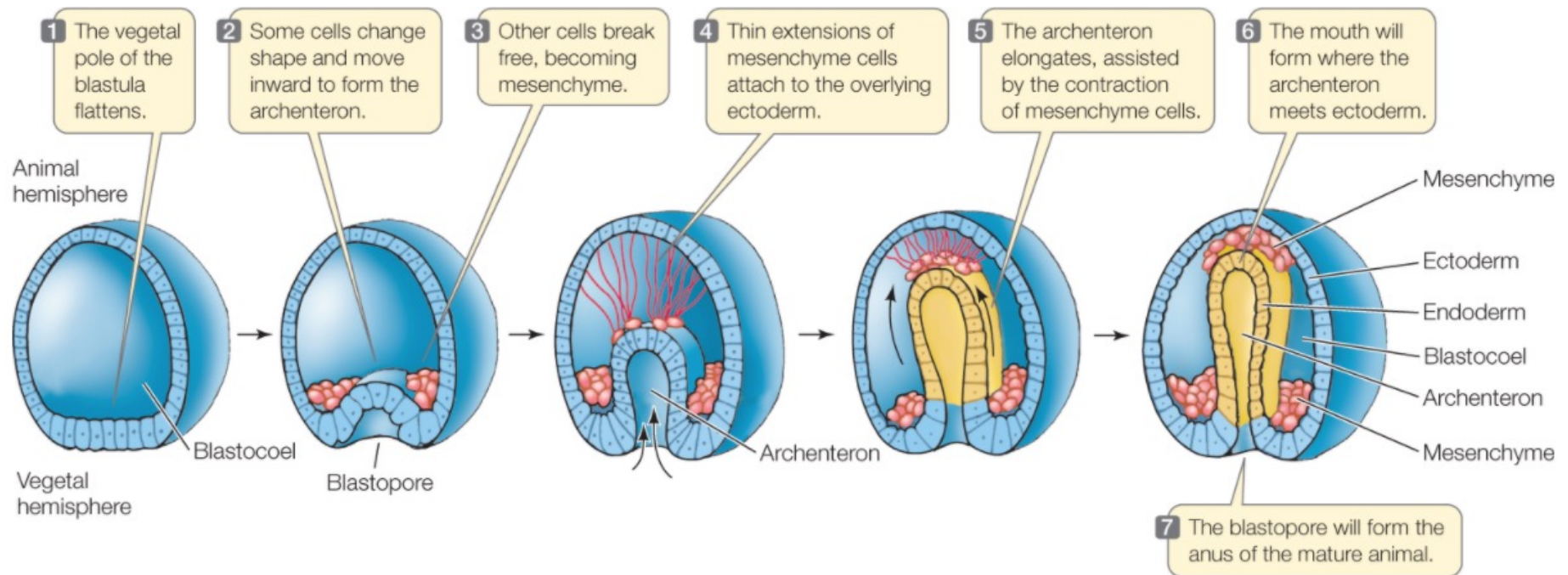


Multi-coloured
Round/volume
Outer/inner/in between
Movement
Senses
Breathing in O_2
Breathing out CO_2
Digestion
Folding in





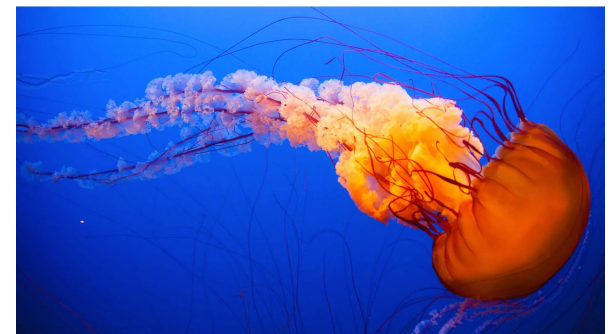




Three systems

- Nerve/sense
- Rhythmic/circulatory
- Metabolic/digestion

Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura





Break out session

Think of an animal that you know well...

How do they interact with the world through their senses?

What rhythms do they have, how do they move and breathe?

What do they eat (how often, how much etc.)?

What is their speciality?



Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura

Break



Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura

Specialisation

Alysoun Bolger

Elements

Warmth

Air

Water

Earth



Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura

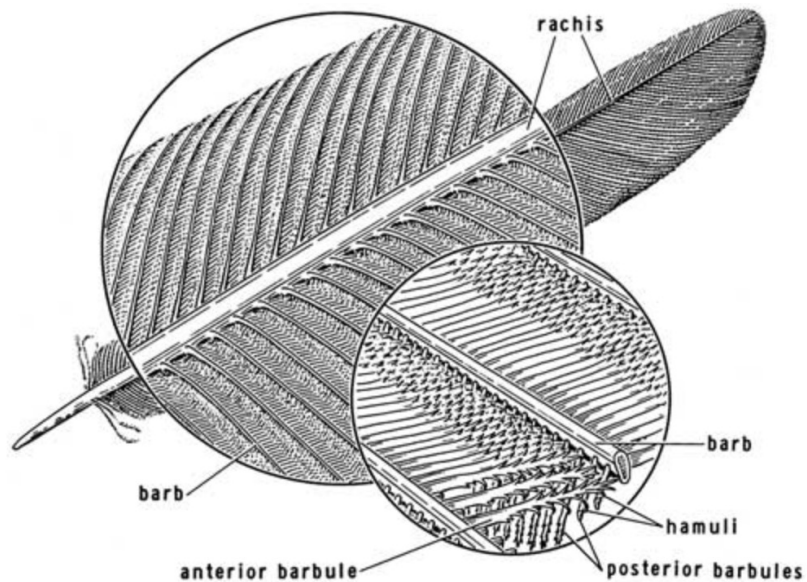
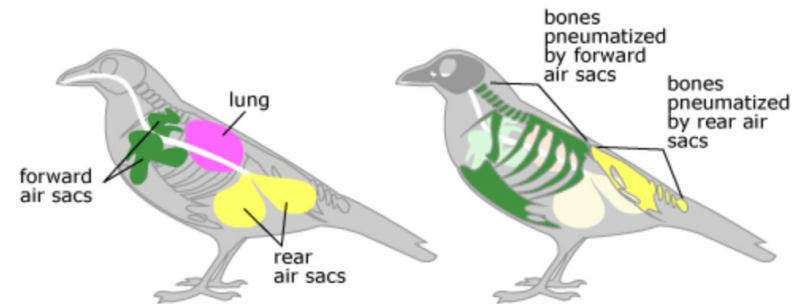
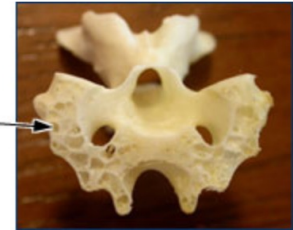
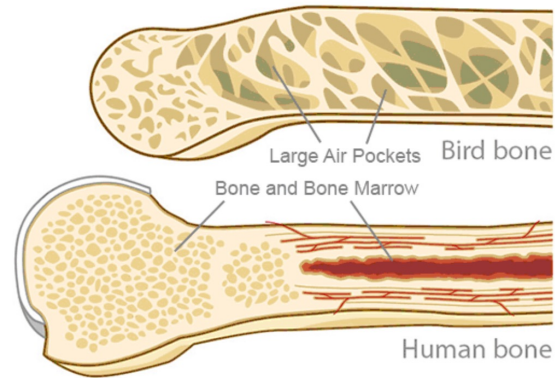
Rodent (doormouse)

Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura



Birds

Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura





Introduction to Homework Exercise

Find a ruminant

(hooved animal with a complex digestive system – cows, sheep, deer, gazelle, goat) alive if possible, otherwise a photograph will have to do!

Sketch the animal three times in timed sketches (3 minutes, 2 minutes, 1 minute – set a timer!)

Write down the following (notes not essay):

How do they interact with the world through their senses? Which senses are most active?

What rhythms do they have, how do they move and breathe?

What do they eat (how often, how much etc.)?

How do they reproduce (when, how many offspring?)

What noises do they make?

Homework continued

Think through the elements (earth, water, air and warmth) – how is this animal connected to the different elements? Make some notes!

Finally, after you have built a picture through sketching and observation, use as few lines as you can to indicate the animal... make sure that you are indicating YOUR animal (not a general one)





Sektion für Landwirtschaft
Section for Agriculture
Section d'Agriculture
Sección de Agricultura

Closing and further Information