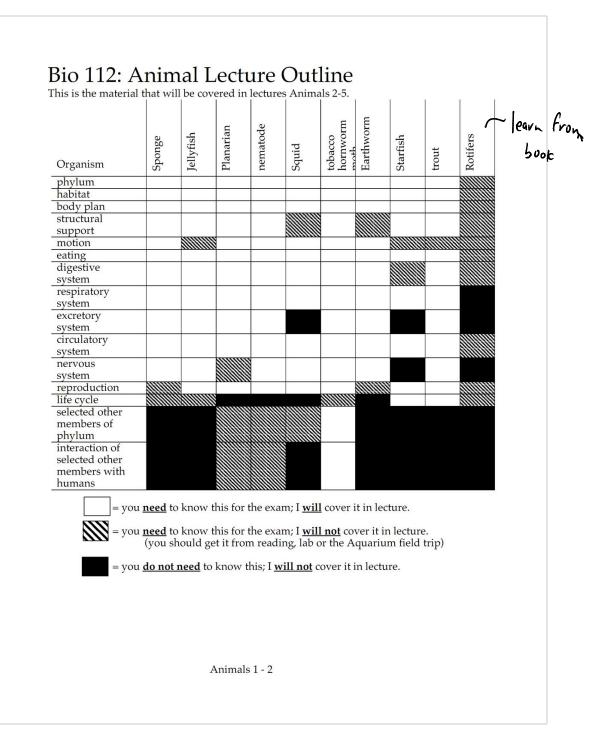
## Animals 1

- send answer to iClicker Question 16A now.
- recruiting for a software study
- Animals plan
- Animals vs. plants
  - life-cycle
  - major systems
- Animal Diversity
  - history
  - major groups
- Hox genes
- iClicker Question 16B

Due in lab this week:

⇒ bring in a flower

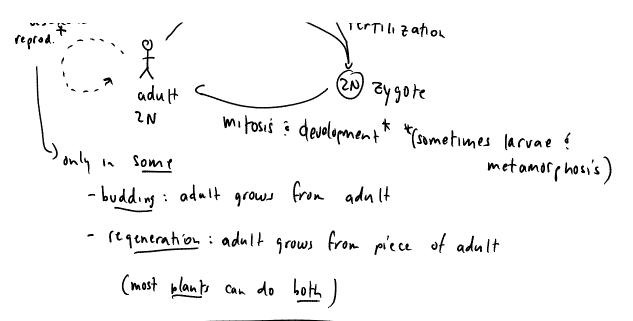


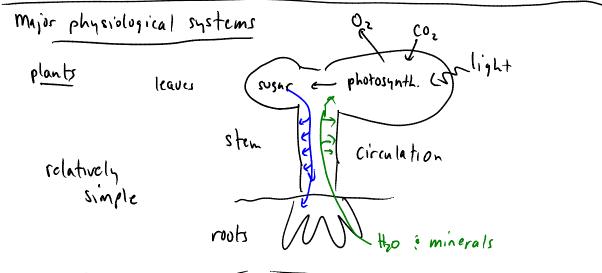
Animal life cycle same in all animals (exceptions)\*

gameter

meiosis

asexual
reprod. ---
O





animals - eat other organisms

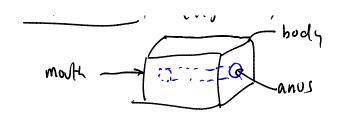
.. need other physiological systems

- dijestive: break down food to monomers

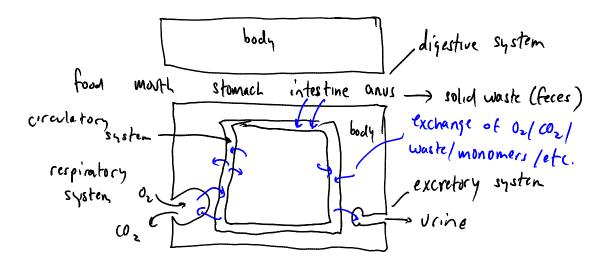
- excretory to get rid of excess "stuff"
unused monomers, toxini, etc) : balance salt

- nervous, muscular, skeletal, etc.
-move, hunt, mate, etc.

Schematic anima) (fig 40.4)



cross section (not all animals arranged this way)



## Animal phylogeny

700 mya - first multicellular animals

S50 mya - representatives of all major groups present

\* fast - hand to trace lineages

