

Introduction to Biology. Lecture 20

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Outline

- 1 Questions and answers
 - Where we are?
- 2 Animals
 - Basic principles of animal body construction

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Questions and answers

Where we are?

Origin of animals

- Blastaea
- Phagocytella
- Gastraea

Main organ systems in animals

- In higher animals, tissues are members of organs, and organs—of organ systems
- Every organ system is responsible for the particular aspect of animal life:
 - locomotion and support;
 - feeding, excretion and osmoregulation;
 - circulation and gas exchange;
 - signaling and reception;
 - reproduction.

Animals

Basic principles of animal body construction

Generalized animal

Symmetry

- Absent
- Radial
- Bilateral
- Secondary radial

Body parts

- Cup-shaped whole body
- Vermicular body
- Segmented body
- Body with appendages
- Head and tail

Summary

- The structure of animal body follows few basic principles of construction

For Further Reading



Skeleton.

<http://en.wikipedia.org/wiki/Skeleton>



Animal.

<http://en.wikipedia.org/wiki/Animal>