

Grade 8 - Unit 2 - **Cells and Systems** Concepts

Animals

Cells
↓
Tissues
↓
Organs
↓
Systems

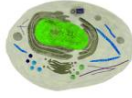


Plants

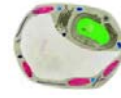
Roots
↓
Shoots

Structures & Functions

Plant Cell



Animal Cell



Osmosis Diffusion
Respiration

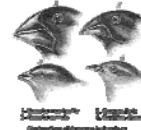
Multi-cellular



Technology (The Microscope)



Variation

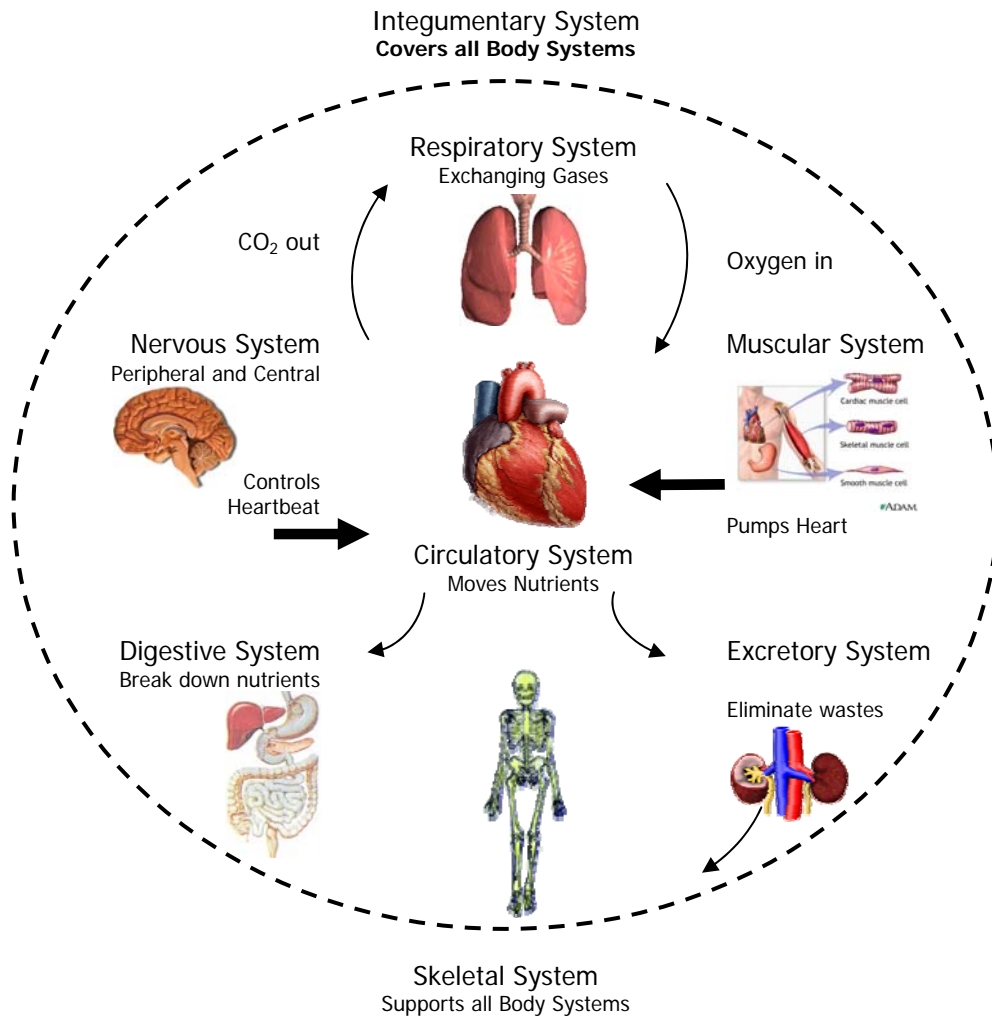


Specialization of cells – tissues – organs and organ systems

**C
H
A
R
A
C
T
E
R
I
S
T
I
C
S**

of Living Things

Cellular
Need Energy
Grow
Respond
Reproduce
Adapt



Disease Affects Living Things

Research

Discoveries

Vaccines

Medicines

Technologies

Lifestyles

Nutrition

Exercise

Stress

Substance Abuse