

# System Comparison Chart

Name \_\_\_\_\_ Period \_\_\_\_\_

Write organ(s) or part(s) that does each, for each.

Process	Simpler Organisms	Earthworm	Crayfish	Frog/ Human	System
Catch Food	Cnidaria Tentacles Protista:Cilia/Pseudopodia	--None--			Digestive
Ingestion/ Take Food In.	Cnidaria Mouth				Digestive
Slice/Chop Food Mouth		None			
Move Food on-Swallow					
Food Tube to Crop/Stomach					
Secretion of Digestive Juices	Cnidaria: Stomach Protista: Cell	Crop			
Store Food	Plants: Roots/Stems				
Grind/Mix Mash Food	Hydra				
Digestion: Food to Liquid Form	Cnidaria: Stomach Protista: Food Vacuoles				
Absorption: Food to Blood					
Prepare/Remove Food Waste	Cnidaria: Mouth Protista: Food Vacuoles				
Pump Blood					Circulatory
Take Food + O <sub>2</sub> to Body (Blood)	Plants: Phloem				
Take Blood to Individual Cells					
Use Food+Oxygen → Energy	All Living Cells/ Organisms: Cells				
Keep Blood Going Right Way					
Take Blood Back to Heart					
Exchange Oxygen Carbon Dioxide	Plants: Stomata + Guard Cells.				Respiratory
Control Reactions Coordination:					Nervous
Nerve 'traffic cop' at Intersections					
Sense Environment	Cnidaria: Tentacles				
Transfer Messages					
Filter Blood for Liquid Wastes					Excretory
Store/Remove Liquid Wastes	Protists: Contractile Vacuule				
Store/Prepare Food Wastes	Protists: Food Vacoules Cnidaria: Stomach				
Locomotion/ Movement	Protists: Cilia/Flagella/ Pseudopodia				Muscular/ Skele