Biology 11 Kingdom Animalia	Name:
Kingdom Animalia	
Characteristics of Kingdom Animalia	
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Classification of Animals	
Organisms are grouped into	on the basis of
• are evi	dent as animals developed more complexity
Characteristics for Classification:	
1. Tissue Organization	specialised tissue organ system organism
Tissue:•	muscle cell muscle tissue heart circulatory system makes up part of the human body
2. Symmetry	Dorsal
•	Poste
•	Ventral
	Asymmetry Radial symmetry Bilateral symmetry (a) (b) (c)
3. Gastrulation	Protostomes
•	Eight-cell stage spiral cleavage Gastrulation Anus Coelum Mesoderm Anus
•	`Blastopore → Mouth [/] Deuterostomes ,Mouth
0	Mesoderm

radial cleavage

Digestive tube

Blastopore → Anus

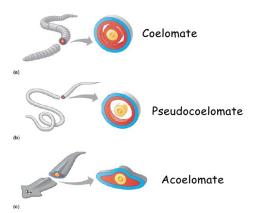
4. Body Cavity

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Term	Definition	Example
Superior	Higher	The knee is superior to the foot
Inferior	Lower	The foot is inferior to the knee
Cephalic	Head	The neck is cephalic to the breastbone
Caudal	Tail	The breastbone is caudal to the neck
Medial	Towards the midline of the body	The nose is medial to the ears
Lateral	The sides/away from the midline	The ears are lateral to the nose
Anterior	Front	The navel is anterior to the spine
Posterior	Back	The spine is posterior to the navel
Ventral	Belly	The navel is ventral to the spine
Dorsal	Back	The spine is dorsal to the navel
Proximal	Closer to the point of attachment to the body	The shoulder is proximal to the elbow
Distal	Farther from the point of attachment to the body	The elbow is distal to the shoulder
Superficial	Close to the surface	The skin is superficial to the bone
Deep	Further within the body	The bone is deep to the skin