

C. Describe the role of the nervous system

# Nervous System



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# Nervous System

## Function & Purpose:

Control center for all body movements and processes

## System is made up of:

- Brain
- Spinal Cord
- Nerves

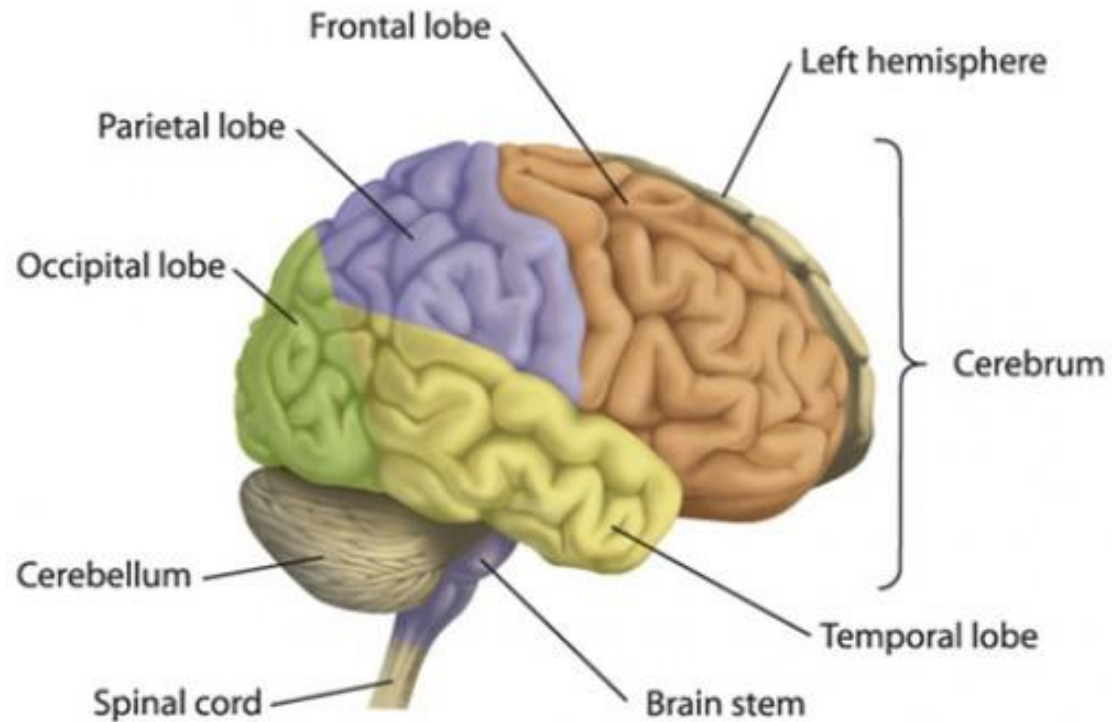


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# Nervous System

## Brain

Control center of  
the nervous  
system



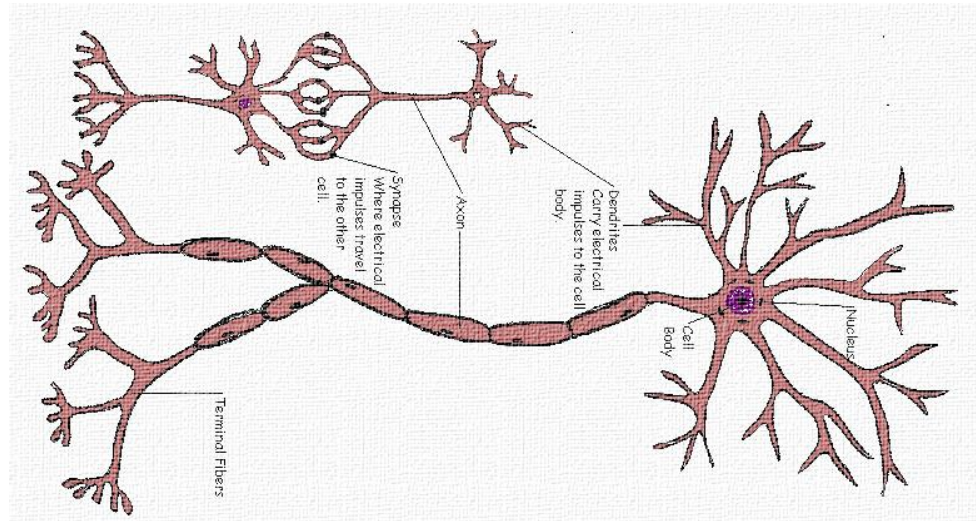
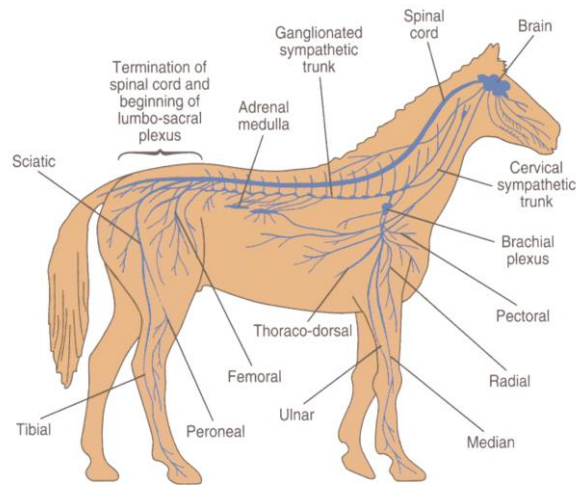
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# Nervous System

## Nerves

Long, fiber like structures that send messages from the body to the brain

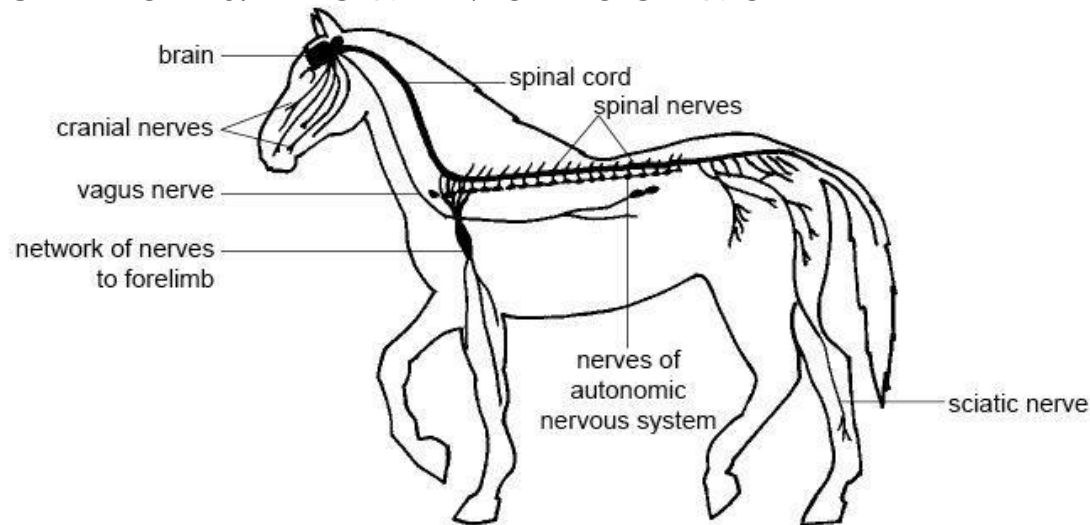


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# Nervous System

## Spinal Cord

Long bundle of nervous tissue extending from the brain to the lumbar vertebrae



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D. Describe the role of the excretory system

# Excretory System



D. Describe the role of the excretory system

# Excretory System

## Function & Purpose:

Get rid of waste products from the body

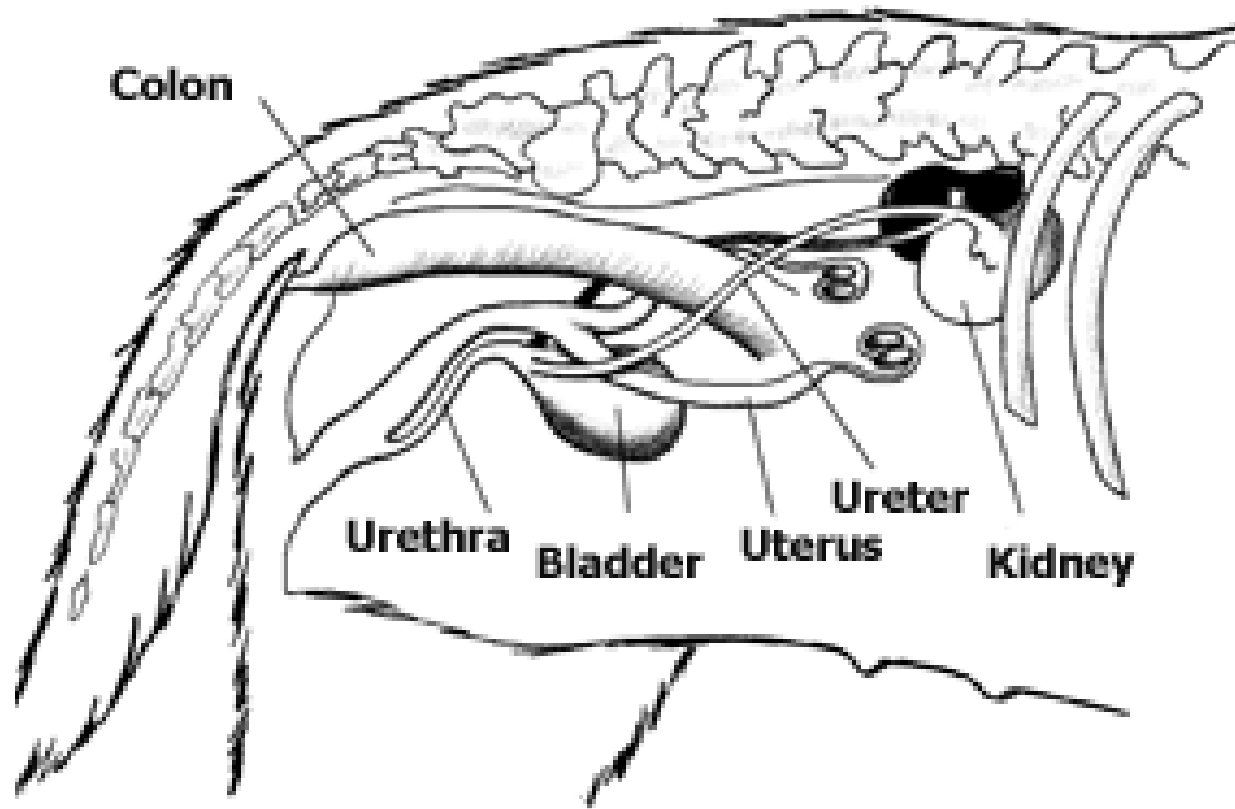
## System is made up of:

- Kidneys
- Ureters
- Bladder
- Urethra



D. Describe the role of the excretory system

# Excretory System



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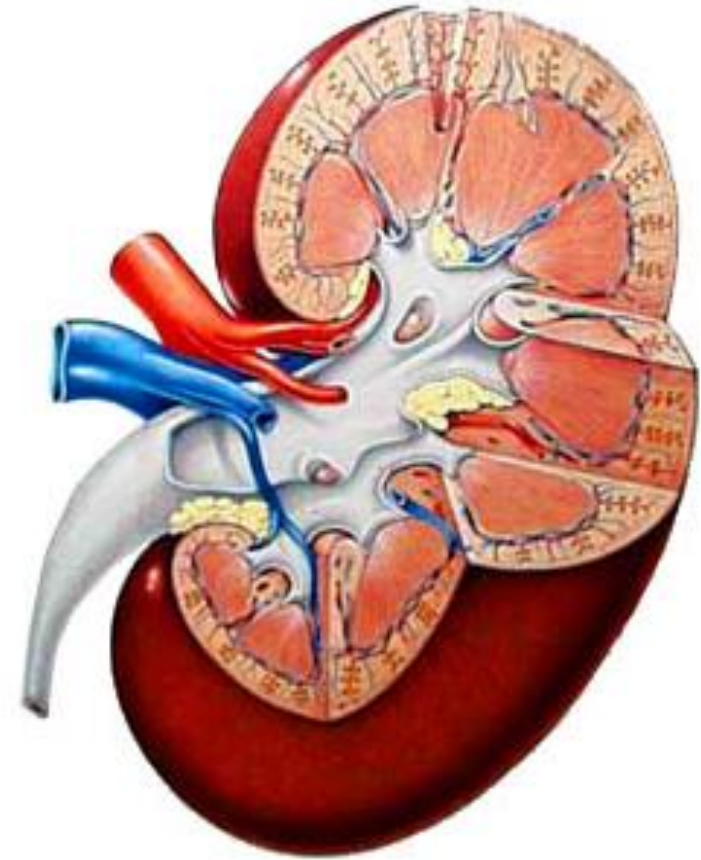


D. Describe the role of the excretory system

# Excretory System

## Kidneys

- Each animal has 2
- Filter toxins from blood
- Toxins are excreted as urine



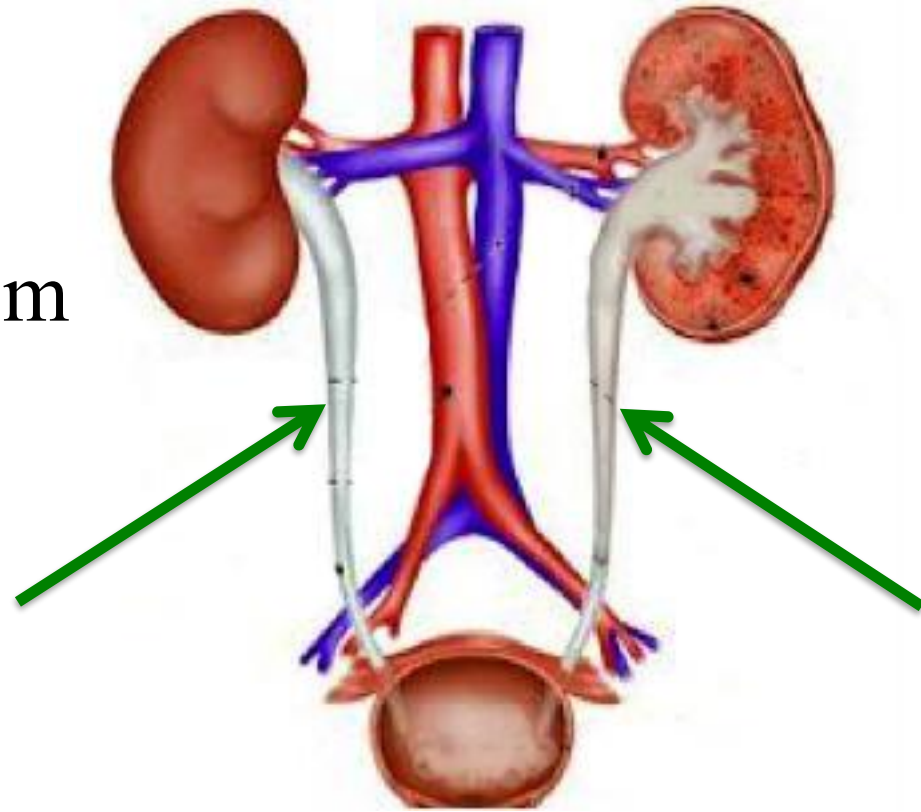
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D. Describe the role of the excretory system

# Excretory System

## Ureters

- Each animal has 2
- Tube carrying urine from kidney to bladder

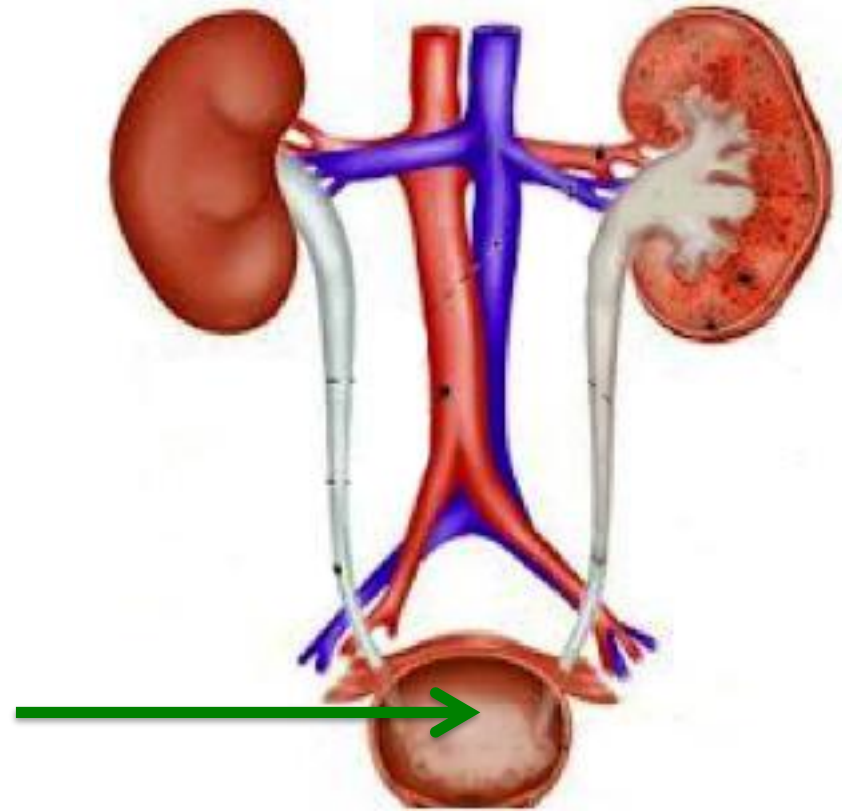


D. Describe the role of the excretory system

# Excretory System

## Bladder

- Each animal has 1
- Stores urine til it is excreted



D. Describe the role of the excretory system

# Excretory System

## Urethra

- Each animal has 1
- Passageway from bladder for urine to exit the body



# Muscular System

## Bell Quiz

1. Name 3 types of muscle
2. Draw a picture of a contracted sarcomere
3. Describe the difference between voluntary and involuntary
4. Give an example of a muscle that is voluntary?
5. Give an example of a muscle that is involuntary?





# Skeletal System

## Bell Quiz

1. What is the definition and purpose of a flat bone?
2. Describe a long bone and give an example.
3. What is the definition of interdependence? Give an example of 2 interdependent systems.
4. What type of bones give movement and flexibility?
5. What is the name of the vertebrae that are found in an animal's loin.





# Respiratory System

## Bell Quiz

1. Name 2 purposes of the respiratory system
2. Compare the structure of the “nares” of the horse and the pig
3. What is the name of the voice box?
4. What is the name of the rooster’s voice box?
5. List the pathway of an air molecule from the time it enters the nasal passages til it reaches the alveoli.



# Circulatory System

## Bell Quiz

1. Name the 4 chambers of the heart in the order that blood passes through them
2. What valve connects the right atrium and ventricle?
3. What valve connects the left atrium and ventricle?
4. What structure is the site of gas (oxygen) exchange?
5. What is the definition of a vein?



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# Nervous System

## Bell Quiz

1. What is the purpose of the nervous system?
2. List 3 organs that are included in the nervous system
3. What is the control center of the body?
4. What are long, thread like structures that send signals to and from brain?
5. What nervous system structure extends from the brain to the lumbar vertebrae?



# Excretory System

## Bell Quiz

1. What is the purpose of the kidneys?
2. What do the ureters connect?
3. What is the purpose of the bladder?
4. What does urine contain?
5. What is the purpose of the urethra?

