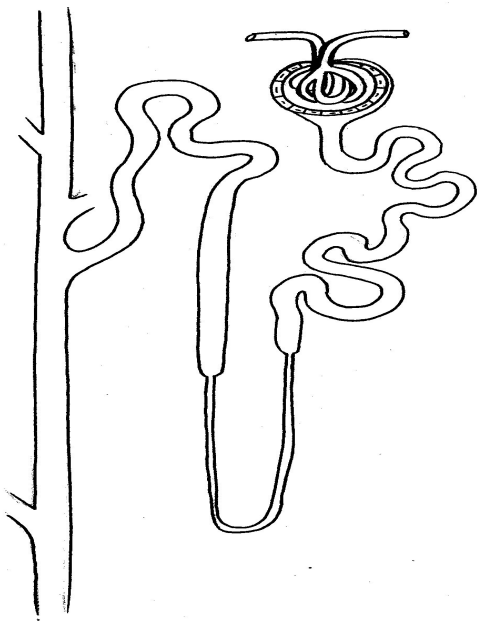
Name _____ Date _____ Period ____ CN ____

Nephron Structure and Function

Bowman's Capsule (Color Blue)

On the diagram below label and color your assigned section of the nephron as indicated by the subtitle above. Research your assigned section using your textbook and the Internet. Fill in the correct information in the spaces provided below. This information will be shared with the class.



1. Location within the kidney:

2. Describe the major function of your section of the nephron.

3. Draw a cross sectional diagram of your part of the nephron and name the type of epithelial cells that make up this cross section.

4. Explain how these epithelial cells relate to the function of this portion of the nephron.

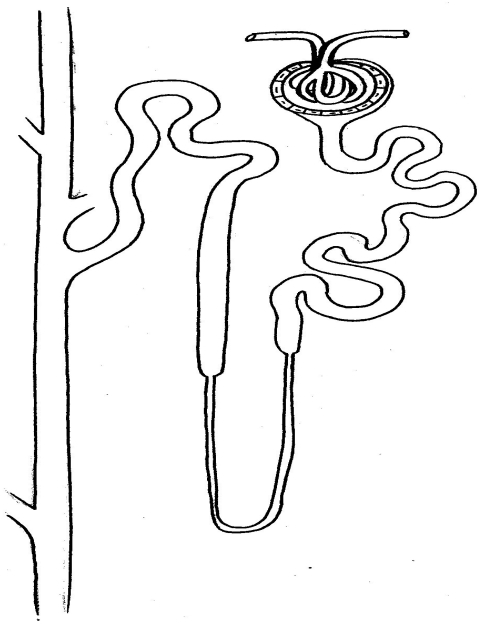
5. State at least one interesting fact about your portion of the nephron.

Name _____ Date _____ Period ____ CN ____

Nephron Structure and Function

Renal Loop or Loop of Henle (Color Orange)

On the diagram below label and color your assigned section of the nephron as indicated by the subtitle above. Research your assigned section using your textbook and the Internet. Fill in the correct information in the spaces provided below. This information will be shared with the class.



1. Location within the kidney:

2. Describe the major function of your section of the nephron.

3. Draw a cross sectional diagram of your part of the nephron and name the type of epithelial cells that make up this cross section.

4. Explain how these epithelial cells relate to the function of this portion of the nephron.

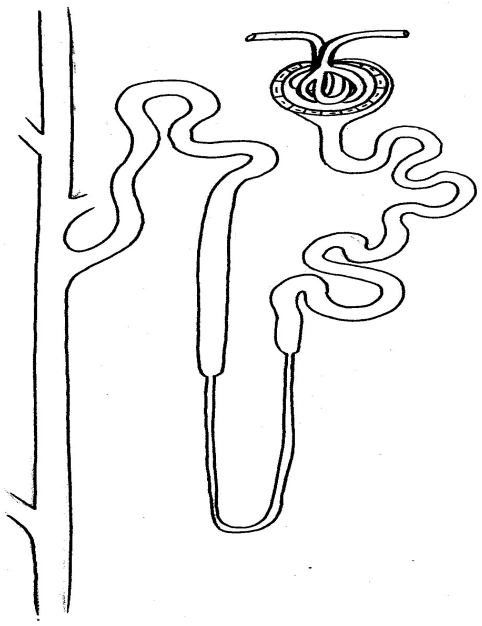
5. State at least one interesting fact about your portion of the nephron.

Name _____ Date _____ Period ____ CN ____

Nephron Structure and Function

Distal Convoluted Tubule (Color Brown)

On the diagram below label and color your assigned section of the nephron as indicated by the subtitle above. Research your assigned section using your textbook and the Internet. Fill in the correct information in the spaces provided below. This information will be shared with the class.



1. Location within the kidney:

2. Describe the major function of your section of the nephron.

3. Draw a cross sectional diagram of your part of the nephron and name the type of epithelial cells that make up this cross section.

4. Explain how these epithelial cells relate to the function of this portion of the nephron.

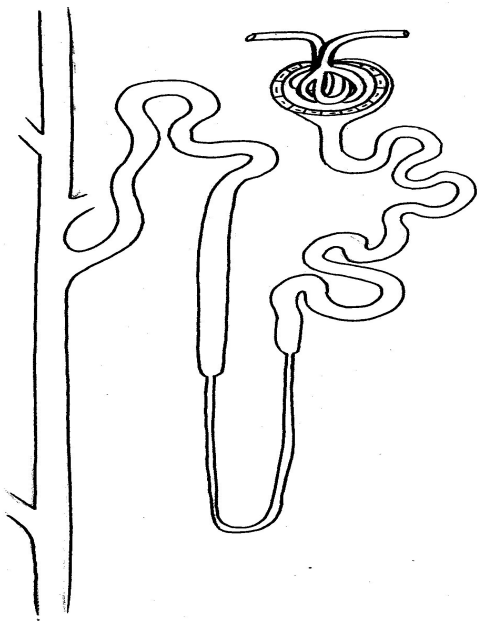
5. State at least one interesting fact about your portion of the nephron.

Name _____ Date _____ Period ____ CN ____

Nephron Structure and Function

Proximal Convoluted Tubule (Color Green)

On the diagram below label and color your assigned section of the nephron as indicated by the subtitle above. Research your assigned section using your textbook and the Internet. Fill in the correct information in the spaces provided below. This information will be shared with the class.



1. Location within the kidney:

2. Describe the major function of your section of the nephron.

3. Draw a cross sectional diagram of your part of the nephron and name the type of epithelial cells that make up this cross section.

4. Explain how these epithelial cells relate to the function of this portion of the nephron.

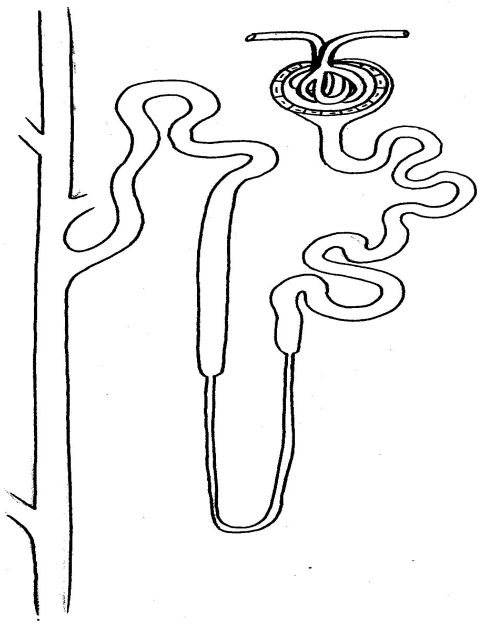
5. State at least one interesting fact about your portion of the nephron.

Name _____ Date _____ Period ____ CN ____

Nephron Structure and Function

Collecting Duct (Color Yellow)

On the diagram below label and color your assigned section of the nephron as indicated by the subtitle above. Research your assigned section using your textbook and the Internet. Fill in the correct information in the spaces provided below. This information will be shared with the class.



1. Location within the kidney:

2. Describe the major function of your section of the nephron.

3. Draw a cross sectional diagram of your part of the nephron and name the type of epithelial cells that make up this cross section.

4. Explain how these epithelial cells relate to the function of this portion of the nephron.

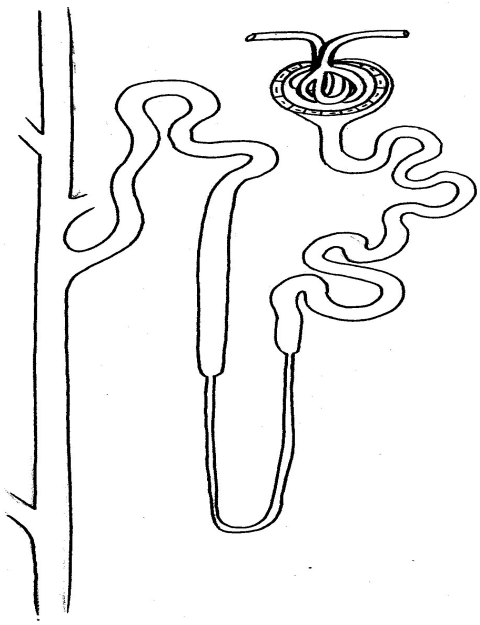
5. State at least one interesting fact about your portion of the nephron.

Name _____ Date _____ Period ____ CN ____

Nephron Structure and Function

Glomerulus (Color Red)

On the diagram below label and color your assigned section of the nephron as indicated by the subtitle above. Research your assigned section using your textbook and the Internet. Fill in the correct information in the spaces provided below. This information will be shared with the class.



1. Location within the kidney:

2. Describe the major function of your section of the nephron.

3. Draw a cross sectional diagram of your part of the nephron and name the type of epithelial cells that make up this cross section.

4. Explain how these epithelial cells relate to the function of this portion of the nephron.

5. State at least one interesting fact about your portion of the nephron.

Name _____ Date _____ Period ____ CN ____

Nephron Structure and Function

Using the key below to create a colorful diagram depicting each part of the nephron. Be certain to use the exact same colors found at each of the lab stations.

- Glomerulus (red)
- Bowman's Capsule (blue)
- Proximal Convoluted Tubules (green)
- Renal Loop (loop of Henle) (orange)
- Distal Convoluted Tubules (brown)
- Collecting Ducts (yellow)