* **Urinary System** 🡪**to rid the body of N2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_balance of blood**  **Kidneys – homeostatic organs, located on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ beneath pareital peritoneum**
* **small dark red organs with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shape**
* **get some protection from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **rt. kidney \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **12 ½ cm. long and 2 ½ cm**

 **thick (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)**

* **convex with Hilus = where \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in & out**
* **adrenal gland is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (endocrine system)**
* **renal capsule = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_covering**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_= surrounds, protects, & holds it in place**
* **filter gallons of fluid everyday!**
* **Produce enzyme \_\_\_\_\_\_\_\_\_\_\_\_\_ to** **regulate blood pressure, and**  **regulates RBC production by**

 **producing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (EPO) Lance Armstrong**

* **Also converts Vit. D to active form**

**Problems with the Kidneys**

* **\*\* ptosis = kidneys drop (if lose \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)** 🡪 **ureters \_\_\_\_\_\_\_\_\_\_\_\_\_** 🡪 **puts pressure on kidneys = hydronephrosis**

**Cross section has 3 distinct regions**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_= outer layer (bark)**
* **Renal\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = darker, has triangular regions**
* **\* tip of triangle is called the \_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are even lighter**
* **\* renal \_\_\_\_\_\_\_\_\_\_\_\_\_** 🡪 **goes to the ureter**
* **\* extensions of pelvis are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (cup-like collective areas)**
* **\*\* very rich blood supply !, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ passes thru kidney each minute!**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** 🡪 **and all the smaller ones**…**Returns thru veins of the same name

\_\_\_\_\_\_\_\_\_\_\_\_\_\_= major filtering unit; each kidney has 1 million**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_= knot in capillaries**
* **1. Renal tubule** 🡪 **proximal convoluted tubule to the**

 **2. Bowman’s capsule/ glomerulus 🡪**

 **coils and twists before becoming a hairpin loop** (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  **🡪 then to the**

 **4. distal convuluted tubule 🡪**

 **5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **Afferent (into)arterioles = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Efferent (out of)arterioles= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **U system also has two ureters, urinary bladder and a urethra**

**Draw, color and label the Urinary System below.**