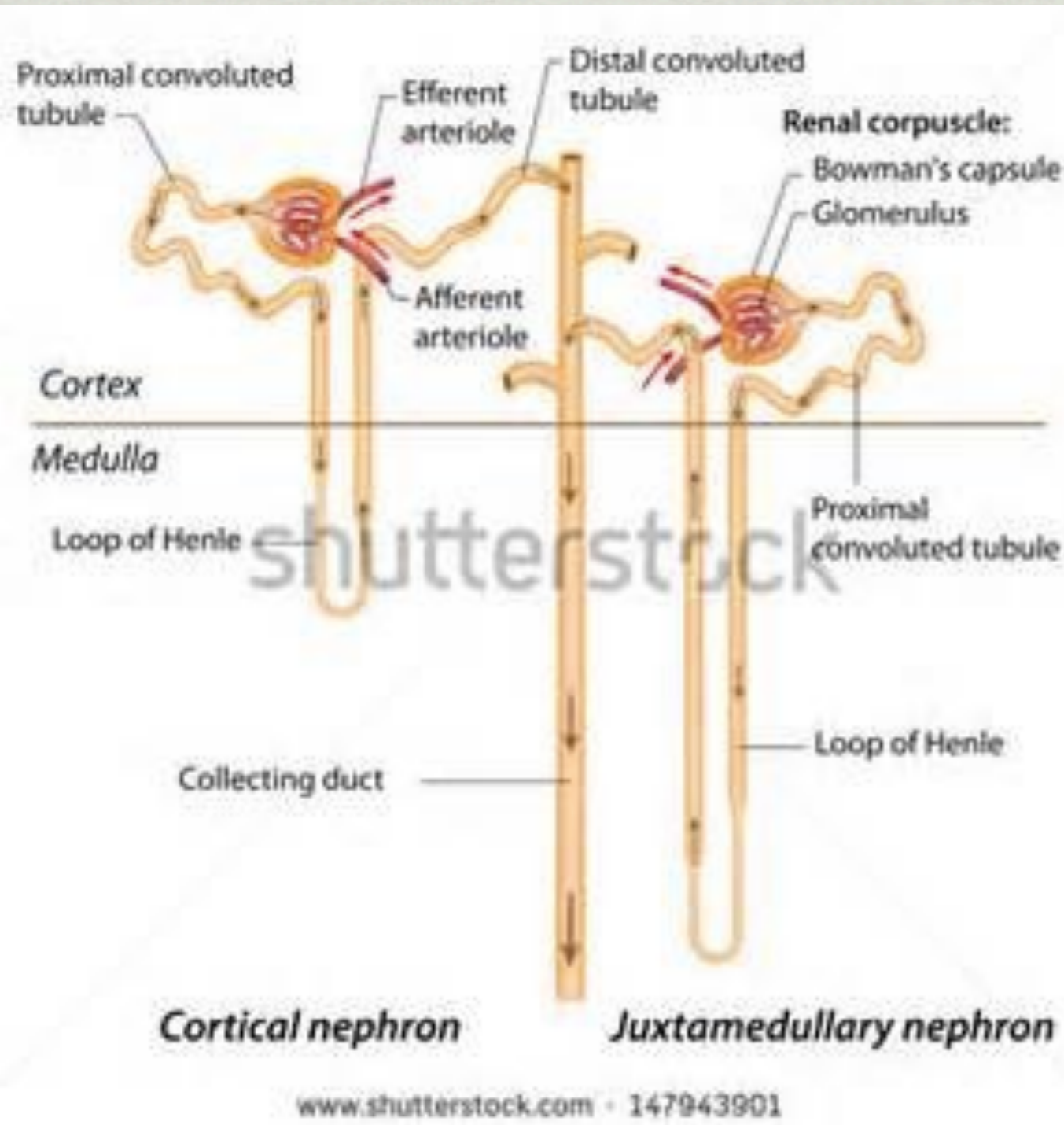


NEPHRON: CORTICAL VS JUXTAMEDULLARY



- * Nephron (from Greek nephros=kidney) is the **smallest functional unit** of the kidney.
- * Function: regulate the concentration of **water and Na salts** (and other) by filtering the blood, reabsorbing what is needed and excreting the rest in the urine. Thus regulates: BP, blood volume, controls levels of electrolytes and metabolites and regulates blood pH.
- * normal kidneys contain **800K-1.5mil.nephrons**
- * There are 2 types of nephrons: **cortical** (most of them) and **juxtamedullary**. Both have corpuscles in the renal cortex and tubules in medulla but juxtamedullary run deep in medulla and have a main role in urine concentration.