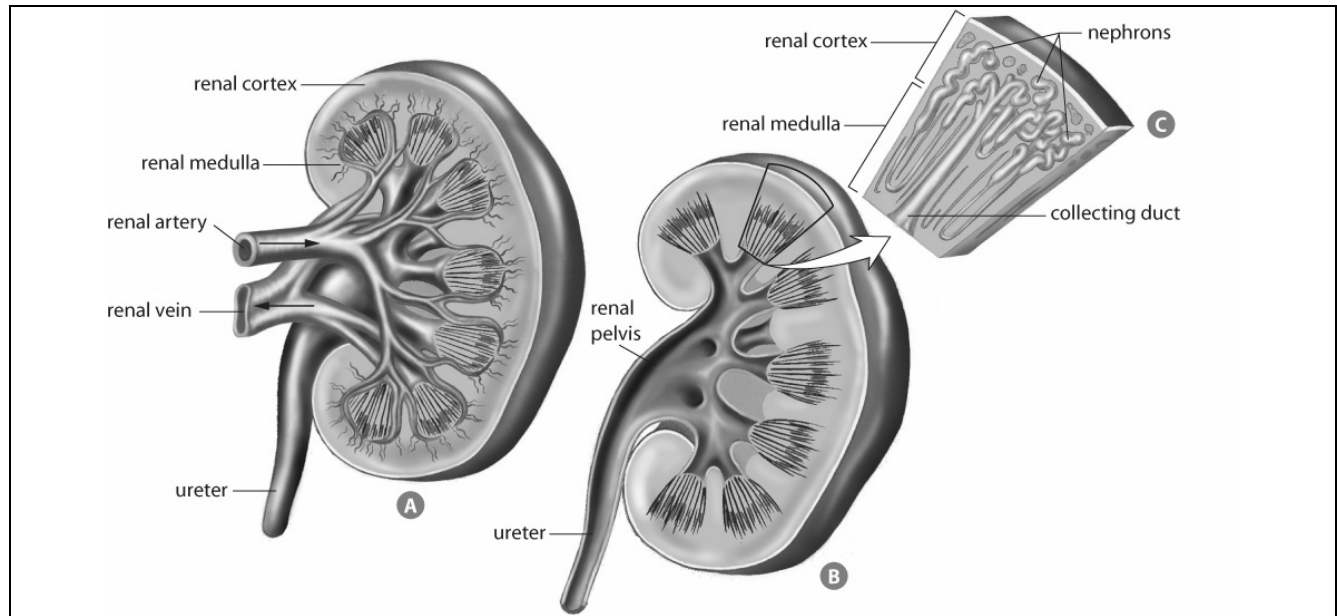


CHAPTER 9
HANDOUT

Anatomy of the Kidney

BLM 9.1.2


Study the diagrams above and answer the questions below.

1. The volume of blood entering the kidney through the renal artery in one day is more than the volume leaving through the renal vein. What does this tell you about where urine comes from?

If you study the overall structure of the kidney (Diagrams A and B), you will learn very little about how it cleanses the blood. This is because the cleansing occurs in millions of microscopic nephrons. The renal cortex of the kidney contains the curly parts of the nephrons. The renal medulla contains the long loops and collecting ducts. These are shown in Diagram C.

2. Study the arrangement of the collecting ducts in relation to the renal pelvis. What does this indicate about the function of the renal pelvis?
