



2 minutes



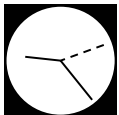
5 minutes



4½ minutes



1 minute



12½ minutes



2½ minutes



3 minutes



1½ minutes



2 minutes

**Whole-Class Seatwork:** Class reviews what they did in their previous lesson

The teacher reminds students about excretion. They talk about the waste (i.e., carbon dioxide) that is removed from the blood through breathing. They also talk about the waste (i.e., urea) that is removed from the blood by the kidneys, which also filters water. Urea and water, when mixed together, form urine.

**Whole-Class Seatwork:** Class goes over kidney cut-out instruction sheet

Students are instructed to get out their homework sheet. The teacher states, "Now we want to- you had to cut out um sections of the kidneys for homework. Let's go through and label the different parts." The teacher identifies and talks about the functions of the cortex, Bowman's capsule, medulla, pelvis, ureter, bladder, and urethra. Students label them on their worksheets.

**Whole-Class Practical Work:** Teacher demonstrates kidney dissection

The teacher goes through the steps of the kidney dissection. He starts by showing the class how to remove the fat from the kidney. He then makes incisions with a scalpel, instructing students to use the information on the overhead projector to help them locate the different parts of the kidney.

**Whole-Class Seatwork:** Teacher gives instructions to class

The teacher tells the class to do three things: (1) put a colored pin for the medulla, cortex, pelvis, and ureter, (2) label the picture on the worksheet, and (3) color the picture. He also provides instructions about the equipment and materials.

**Independent Practical Work:** Students work in groups of two, three, or four on kidney dissections

Students work in groups on their kidney dissections. They work at different stations around the room as the teacher walks around facilitating.

**Whole-Class Seatwork:** Class goes over kidney dissection sheet

The teacher calls on students to identify parts of the kidney on the worksheet. They identify the pelvis, medulla, cortex, and ureter

**Independent Seatwork:** Students work individually on completing a worksheet

Students work on a word search, finding words they used in today's lesson. In the meantime, the teacher goes around to the groups' dissections to mark a score

**Whole-Class Seatwork:** Teacher announces dissection scores

The teacher tells the class that their groups' dissections were "closely ranked together." The marks for the different groups range from 8 to 9½. The teacher uses the same scoring guide to mark his own dissection, which he announces to the class as being a 7½. He tells the class they took their time and did a better job than he did.

**Science Organization:** Students prepare to leave

The teacher instructs students to stand behind their chairs. He dismisses them according to rows.