Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_ Seat #\_\_\_\_

**RWS 8.4: Homeostasis and Cells**

1. Define *homeostasis*.
2. What are four things that unicellular organisms have to do in order to maintain homeostasis?
3. What do the cells in multicellular organisms do in order to maintain homeostasis?
4. List and describe one example of a specialized plant cell and one example of a specialized animal cell.
5. Describe the levels of organization for cells in multicellular organisms.
   1. Tissue
   2. Organ
   3. Organ system
6. How do cells communicate with each other?
7. Give two functions of cellular junctions.
8. Using a sports team as an analogy, explain why specialization and communication are as important to a team as they are to the cells of the body.