

Name: _____ Period: _____ Date: _____

DISCUSSION: Specialized Cells

1. What special cell type did you learn about?
2. What do you think your specialized cells have in common with the other kinds of cells in the body?

What might be the underlying reason (or explanation) for the similarities?

3. What does your cell do in the body? In other words, what is its special function (or functions)?

Why these cells able to do this job, but other body cells are not?

QUESTIONS 4, 5 and 6 appear on the next page. **Before you move on to those, be certain to have a discussion with at least one other person in the class who has a different cell type from you. What did they learn? Jot down a few ideas related to how they answered questions 1- 3.**

Their Cell Type _____

1. _____
2. _____
3. _____

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ANSWER QUESTIONS 4, 5 and 6 ONLY AFTER YOU HAVE LEARNED ABOUT AT LEAST ONE OTHER CELL TYPE. (You are welcome to learn about more types.)

4. What are the differences in function between your specialized cell and the cell type your classmate(s) studied?

5. What did you discover about the make-up of the two cell types that might account for these differences in function?

6. What do you think might happen during development that results in the production of different types of cells with different functions? (Note: Write down whatever ideas come to mind. Don't worry about whether or not they are "right