

Names: _____

Make-a-Cell

Now that you know all of the parts that make up a general cell, it's time to look at specialized cells. Using what you know about what each part of the cell is responsible for, design a cell that is well-adapted to perform the task written on the back of this page.

- Think carefully about **all the steps** the cell will have to make in order to perform the task.
- Think about the **parts** of a general cell that will be most important to your cell.

Draw your cell, labeling all the major parts.

Do not draw below this line.

*** If you get a sliver, this cell helps break down the wood now lodged in your finger ***

Describe how the features you gave your cell help it perform this task. _____

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*** This cell is in the heart muscle of an Olympic sprinter ***

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*** This cell is from a potato tuber ***

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*** This cell is on the bottom of a nudibranch, a marine slug that moves around on a carpet of mucous ***

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*** This cell is from an organism that only has one cell, and feeds by surrounding and digesting small bits of food ***

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Draw your cell, labeling all the major parts.

Do not draw below this line.

*** This cell is part of the trunk of a redwood tree ***

Describe how the features you gave your cell help it perform this task. _____
