

Journal Prompt: Cells and Systems

Every living thing, from a single amoeba to a grizzly bear, runs on the same basic building block.

Prompt: Pick one organism with many cells that you know well (a pet, a plant, or yourself). Explain how its cells, tissues, and organs work together to keep it alive. Connect your explanation to what cells do as the basic unit of life ([Outcome](#)).

Where to start:

- What is one job that cells do inside your chosen organism?
- How is a single-celled organism, like an amoeba, different from your multicelled organism in getting that same job done ([Outcome](#))?
- If your organism is a plant, how would you describe its cell walls compared to the cell membranes in an animal cell ([Outcome](#))?
- Can you name one tissue or organ in your organism and explain which cells might be found there?

Stretch:

Explain how diffusion or osmosis might move gases or liquids into or out of a cell in your chosen organism. Base your answer on concentration differences ([Outcome](#)).

Note: 2 learning outcome blocks were left out to fit the 4000-token curriculum budget for this kind of material. Use "Split into parts" to generate one document per organizing idea.