

Body Science: Cell Theory (3rd-5th Grades) Post-Visit Activities

We hope that you enjoyed your visit to the Children's Science Explorium!

To help reinforce the concepts covered during today's field trip, we have prepared the following activities for you to incorporate into the classroom.

Vocabulary List and Student Definitions (elementary level):

- **Cell:** basic unit of life, too small to see with the naked eye
- **Tissue:** group of cells in a living organism
- **Organ:** a complete and independent part of a plant or animal that has a specific function
- **System:** a combination of related parts organized into a whole grouping
- **Microscope:** a device that uses a lens to produce a greatly magnified image of an object too small to see with the naked eye
- **Skeleton:** the framework of bones of an animal
- **Muscle:** a fleshy bundle of fibers that makes up body tissue producing movement
- **Bone:** hard, white structure that is spongy in the center; part of the skeletal system that provides shape and support in vertebrate animals
- **Brain:** control center of the nervous system, connected to the spinal cord
- **Heart:** a muscle that pumps blood around the body; major organ of the circulatory system

Body Science Wrap Up:

1. Professor Mill Ennium Activity: "Professor Mill Ennium has left the Discovery Lab in the hands of his trusty lab assistants." Students will explore the lab on their own (or in small groups) and investigate cells. They will need a science journal to record information. Once you are ready to begin, visit the following link: www.beaconlearningcenter.com/WebLessons/MixedUpCells/default.htm
2. Investigate parts of a plant cell. Create a Venn diagram to compare the similarities and differences between plant and animal cells.