

Cellular Scavenger Hunt

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Work with one or two partners to find the nine types of cells being described below in the Cellular Level circles around the Life Systems exhibit. Stay together as a group as you will need to hunt for the answers together. Write the names of the cells from the Cellular Level circles in the spaces provided.

1. _____ This organ contains the group of cells that 'dance' to the beat of a nearby drum.
2. _____ Electricity allows these cells to pass information between them.
3. _____ These bone cells build a strong framework to support and protect other organs.
4. _____ These cells are capable of detecting different chemicals in the air.
5. _____ Because these cells are made to merge together through reproduction, they contain only one copy of the organism's DNA.
6. _____ Our bodies' two types of photoreceptor cells that assist us with determining color.
7. _____ These cells make up the protective outer organ of our bodies.
8. _____ These cells are responsible for all voluntary movements.
9. _____ These cells are specially designed to absorb nutrients from broken-up food.

MOST*

Word List

Digestive epithelium

Gametes

Neurons

Olfactory cells

Organ of Corti cells

Osteoblasts and Osteocytes

Rods and Cones

Skeletal muscle cells

Skin epithelium

Cellular Scavenger Hunt Answer Key

MOST*

1. **Organ of Corti cells** This organ contains the group of cells that 'dance' to the beat of a nearby drum.
2. **Neurons** Electricity allows these cells to pass information between them.
3. **Osteoblasts and Osteocytes** These bone cells build a strong framework to support and protect other organs.
4. **Olfactory cells** These cells are capable of detecting different chemicals in the air.
5. **Gametes** Because these cells are made to merge together through reproduction, they contain only one copy of the organism's DNA.
6. **Rods and Cones** Our bodies' two types of photoreceptor cells that assist us with determining color.
7. **Skin epithelium** These cells make up the protective outer organ of our bodies.
8. **Skeletal muscle cells** These cells are responsible for all voluntary movements.
9. **Digestive epithelium** These cells are specially designed to absorb nutrients from broken-up food.

New York State Standards

High School

Living Environment: Standard 4:

Key Idea 1: 1.2f, 1.2g, 1.2h, 1.2i, 1.2j

Key Idea 2: 2.1b, 2.1c, 2.1d, 2.1e, 2.1g, 2.1j