Cell Specialization

WHAT is it?

WHO has it?

WHY is it important?

Some examples of specialized cells in the human body are:

Cellular Organization

In order to be effective at the tasks they do, specialized cells need to be organized. **Complete the list of the** **levels of organization from smallest to largest**.

***Cells*** The basic building blocks of living things. Ex.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Groups of similar cells working to perform a specific function. Ex.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Groups of different tissues working together to perform a specific function. Ex.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Groups of different organs working together for a particular function. Ex.

***Multicellular Organism*** A living thing – many different organ systems working together to perform all life processes. Ex. Human body.

\*\*A volleyball league is kind of organized in the same way multicellular organisms are organized. See if you can match up the levels of organization in organisms with the volleyball levels:

**Volleyball Levels**

Individual player (you)

Individual team (Stony)

All teams in a division (Divisionals)

All teams in a province (Provincials)

All teams in a country (Nationals)

**Levels of Organization**

Multicellular Organism

Cells

Organs

Organ system

Tissues

\*\*Can you think of a different anology that would compare? Think about families, schools, other sports…