Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_

**Cell Riddles**

All living things are made up of cells. Cells are small structures that contain all the biological parts necessary for an organism to live. Cells are made up of smaller structures, called organelles.

**Directions**: Read each cell riddle below. Decide which organelle the riddle describes, and write the name of that structure in the blank. Note that all possible answers are listed in the word box below. Next, draw and label the parts of the cell on the back of this sheet.

CHALLENGE: draw and label the parts of the cell without looking at your notes!

**Riddle #5**

I am the “brain” of the cell, and I control all the activities of the cell.
 I am located in the cytosol.
I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Riddle #6**

We build proteins in the cell. We can be found in several places in the cell, including in the cytosol and on the endoplasmic reticulum.
 I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Riddle #7**

I finish processing all of the materials needed in the cell. I store molecules OR send them into the cytosol or out of the cell.
I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Riddle #8**

I have two jobs: I manufacture proteins and other parts of the cell membrane, and I am the cell’s transport system.
 I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Riddle #1**

I am the jelly-like fluid inside the cell. I provide an area of movement for all the dissolved molecules that keep the cell working.
I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Riddle #2**

I am a thin protective layer around the cell, but I am not one solid piece. I have tiny openings that allow materials to pass in and out of the cell.
I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Riddle #3**

When a cell needs energy, I take in nutrients, break them down, and supply energy to the cell. Some might call me the “power house” of the cell.
I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Riddle #4**

I am a storage unit in the cell. I mostly store water, but I also store food and wastes.
 I am the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**WORD BOX**Gogli Complex Nucleus Ribosomes Cell Membrane

Endoplasmic Reticulum Vacuole Mitochondrion Cytoplasm