Name Date

Organelle Riddles

Read each description below and then identify the correct cell structure. Write your answer in the line provided using only 10 of the following words:

Cytoplasm Cell membrane Vesicle

Cell Wall Chloroplast Mitochondria

Nucleus Vacuole Lysosomes

Ribosomes

1. I’m a real “powerhouse” 6. I’m liquidy and jelly-like

 That’s plain to see On me organelles like to float

 I break down food I take up the most mass of the cell

 To release energy I hope I get your vote

What am I? What am I?

2. I’m strong and stiff 7. I’m full of holes

 Getting through me is tough Flexible and thin

 I’m found only in plants I control what gets out

 I’m what makes sticks tough As well as what comes in

What am I? What am I?

3. We’ve been called the garbage men 8. Proteins are made here

 We remove waste and things foreign Even though I’m quite small

 Don’t underestimate us You can find me in the cytoplasm

 We’re anything but boring Or attached to the ER’s wall

What am I? What am I?

4. I’m the brain of the cell 9. I’ve been called the storage tank

 Or so they say By those with little taste

 I regulate activities I’m a sack filled with **water**

 From day to day Food, enzymes, and waste

What am I? What am I?

5. I’m found only in plant cells 10. Since I contain many enzymes

 I’m as green as can be I can digest an injured cell

I make food for the plant And can break down a large molecule

 Using the sun’s energy (like a protein) into a smaller one as well

What am I? What am I?