

Chapter 3
Cells

Can You Identify
These Cell Structures?

Read each description and then identify the cell structure. Place your answer on the line provided.

organelles

(1) 1. I'm a real "powerhouse."
That's plain to see.
I break down food
To release energy.
What am I? mitochondria

97
6. I'm a series of tubes
Found throughout the cell.
I transport proteins
And other things as well.
What am I? endoplasmic reticulum

2. I'm strong and stiff;
Getting through me is tough.
I'm found only in plants,
But I guess that's enough.
What am I? Cell Wall

7. I'm full of holes,
Flexible, and thin.
I control what gets out
As well as what comes in.
What am I? Cell membrane

3. My name means "colored bodies,"
And I contain DNA.
I pass on traits to new cells
In a systematic way.
What am I? Chromosomes

8. Proteins are made here
Even though I'm quite small.
You can find me in the cytoplasm
Or attached to E.R.'s wall.
What am I? Ribosomes

4. I'm the "brain" of the cell
Or, so they say.
I regulate activities
From day to day.
What am I? Nucleus

9. I've been called a "storage tank"
By those with little taste.
I'm a sac filled with water,
Food, enzymes, or waste.
What am I? Vacuole

5. Found only in plant cells,
I'm green as can be.
I make food for the plant
Using the sun's energy.
What am I? Chloroplasts

10. Since I contain many enzymes,
I can digest an injured cell;
And can break down a large molecule
Into a smaller one as well.
What am I? Lysosomes