

## Worksheet 2: "Organelle Functions in Pan de Polvo"

Objective: Understand the functions of cellular organelles by relating them to specific actions in the Pan de Polvo baking process.

### Instructions:

1. Review the Pan de Polvo baking process and the corresponding cellular organelles.
2. Fill in the blanks with the specific functions of each organelle during the Pan de Polvo analogy.

a. Nucleus: The nucleus acts like the \_\_\_\_\_ in baking Pan de Polvo because...

b. Mitochondria: The mitochondria can be compared to the \_\_\_\_\_ because...

c. Rough Endoplasmic Reticulum: The Rough ER is similar to the \_\_\_\_\_ in baking Pan de Polvo as it...

d. Golgi Apparatus: Like the \_\_\_\_\_, the Golgi apparatus is responsible for...

f. Lysosomes and Peroxisomes: Lysosomes and Peroxisoms function similarly to \_\_\_\_\_ because...

g. Smooth Endoplasmic Reticulum: The Smooth ER is similar to the \_\_\_\_\_ in the Pan de Polvo baking process because...

### Bonus:

What other cellular organelles can you think of? What are their functions?