

## Cell Organelle Research Worksheet

Before you work on your *Cell Organelle Trading Cards*, you need to have information for your cards. Use the websites on the WebQuest page to get the information you need.

Organelle	Nucleus
Where found (plant/animal/both)	
What it does in the cell	
Something that performs the same function	

Endoplasmic reticulum	Protein	Protein & lipid synthesis
- Smooth ER	Membranous tubes without ribosomes	
- Rough ER	Membranous tubes with ribosomes embedded	
Golgi apparatus	Stack of flattened membranous sacs near the ER	
	Small, spherical bodies containing acidic hydrolytic enzymes	
Peroxisomes	Small, spherical bodies containing oxidase enzymes	
	10. Provides temporary storage of food, enzymes and waste products	
	11. Firm, protective structure that gives the cell its shape in plants, fungi, most bacteria and some protists	
	12. Produces a usable form of energy for the cell	
	13. Packages proteins for transport out of the cell	
	14. Everything inside the cell including the nucleus	
	15. Site where ribosomes are made	