

### Cell Organelle Matching

1. \_\_\_\_ This holds all the DNA of the cell.
2. \_\_\_\_ This organelle receives, sorts, modifies, and packages proteins.
3. \_\_\_\_ This synthesizes ATP.
4. \_\_\_\_ This reads mRNA and can be found in the nuclear envelope.
5. \_\_\_\_ These are arranged in a 9 x 3 configuration.
6. \_\_\_\_ This will package enzymes and break down glucose.
7. \_\_\_\_ These neutralize free radicals, and breakdown fatty acids.
8. \_\_\_\_ This will synthesize proteins and is continuous with the nuclear membrane.
9. \_\_\_\_ These are the folds within the mitochondria.
10. \_\_\_\_ This provides the cell with structure and support.

- A. Cytoskeleton
- B. Mitochondria
- C. Nucleus
- D. Golgi
- E. Endoplasmic Reticulum
- F. Lysosome
- G. Centrioles
- H. Peroxisomes
- J. Cristae
- K. Ribosomes

### DNA Questions

1. The backbone of DNA contains a \_\_\_\_\_ and a \_\_\_\_\_.
2. \_\_\_\_\_ and \_\_\_\_\_ are considered pyrimidens.
3. \_\_\_\_\_ and \_\_\_\_\_ bases pair, while \_\_\_\_\_ and \_\_\_\_\_ pair.
4. There are \_\_\_\_\_ chromosomes in a cell.
5. An 8 protein cluster of DNA is considered a \_\_\_\_\_.