

Name: _____

Date: _____

Period: _____

Looking at a Real Cell

In numerous diagrams the cell is seen as a well ordered place. Unfortunately that is far from the truth. In this exercise you will realize what a real cell looks like, specifically focusing on the sperm and egg cells of fruit flies.

Before the presentation begins answer the following questions.

1. Where do you think mitochondria are located on a sperm cell? (tail or head)
2. What organelle(s) do you think can be “tagged” to find meiosis occurring within the testes?
3. What role do centrosomes have in meiosis?

Answer the following questions **during and after the presentation**.

1. Where were mitochondria located on a sperm cell? Why would their location make sense?
2. What organelles were tagged in the testes? What organelles were involved in meiosis?