

Name \_\_\_\_\_  
Class \_\_\_\_\_

Date \_\_\_\_\_

### **Understanding Organelles: Centrioles**

Please answer the following questions based on the presentation.

1. How many cells are in the human body?
2. What is the term for when a cell changes from a basic round shape to a more specialized shape (for example, sperm cells or nerve cells)?
3. What are some organelles that exist in a cell?
4. From which parent do we receive the first centriole in our body?
5. Why do we use the testes of fruit flies for our model as opposed to another organism?
6. What is the structure discovered by the Avidor-Reiss lab that is believed to account for the second centriole in a cell?
7. Why is it important to find the origin of the second centriole?