

## **Text-Dependent Questions and Writing Prompt for Complex Text**

**Article Title:** Nobel Goes for Studying “School Buses” in Cells

### **Vocabulary Questions:**

1. According to the text, what are *vesicles*? Also, name three things a vesicle can store.
2. According to the text, what is the role of the *transport protein*?
3. According to the text, what do *hormones* do?

### **Text Evidence/Content Questions:**

1. Explain the research that Schekman, Rothman, and Südhof each did concerning the physiology of cells. What did each discover with his research?
2. The text compares cellular transport to a “school bus.” Why a bus? Cite evidence from the text that explains this comparison.
3. “You cannot stop a process that is this fundamental,” says scientist Edwin McCleskey in the article. What is he talking about? Using your inference skills, explain what he means.

### **Writing Prompt:**

Compare and contrast the works of the three scientists—Schekman, Rothman, and Südhof—as they relate to cell transport. What did each discover on his own, and why were their combined discoveries judged to be worthy of the Nobel Prize?

