A. What will you be comparing the insect digestive/excretory systems to? Remember that you can pick anything you want EXCEPT another digestive/excretory system in a different organism (e.g. you cannot say the Malpighian tubules are like the human kidney

**a factory assembly line**

B. Make FIVE different comparisons below. Make sure to provide a couple sentences explaining why you are making that analogy. (3 pts each)

1. **Foregut is like the receiving dock**

Reason: Receiving dock takes in things and sorts them just like the foregut takes in food and breaks it down

2. **Midgut is like the production line**

Reason: The production line is where raw materials are turned into finished goods, like how the midgut digests the food and absorbs nutrients

3. **Hindgut is like the waste management area**

Reason: They both handle waste and getting rid of it

4. **Malpighian tubules are like the factory filtration system**

Reason: Just like the filtration system, the malpighian tubules filter out nitrogenous waste of the insect and send it to the hindgut, like how the factory filter sends waste to the waste management area

5. **Rectum is like the packaging and disposal unit**

Reason: Like in a factory, the rectum compacts waste and prepares it for excretion

Summarize the comparisons with the analogies superimposed on an insect. (5 pts).

