

**New York City College of Technology – City University of New York**  
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**Department of Architectural Technology**

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**ARCH 1240            METHODS OF CONSTRUCTION IN ARCHITECTURE**

NAME \_\_\_\_\_ Date: \_\_\_\_\_

QUIZ 12:

1. Curtain walls are carefully \_\_\_\_\_ from the frame of the building so that they support only their own \_\_\_\_\_ and the forces of the wind.

2. Name two reasons that aluminum is the metal of choice for metal cladding systems:

3. Aluminum conducts heat \_\_\_\_\_. As a result, all but the simplest aluminum framing systems are manufactured with \_\_\_\_\_.

4. Name two modes of assembly of curtain wall systems:

5. Name one advantage and one drawback of a double-skin façade wall system:

6. Outsize Glazing and Inside Glazing: The installation of the glazing for a tall building's curtain wall is usually done from the \_\_\_\_\_.

7. Does aluminum have a **high** or **low** coefficient of thermal expansion?

8. Sketch a typical outside glazed curtain wall mullion section and label the following components: **structure, glazing pocket, thermal break, pressure plate, snap on cover, glazing gaskets.**

9. Name one advantage and one drawback of the **unit system mode of assembly** of a curtain wall installation.

10. As curtain wall design can be highly complex, the architect often looks to the \_\_\_\_\_ for guidance on the selection and design of the curtain wall system.

**Extra Credit:**

11. Curtain walls are designed as a \_\_\_\_\_ wall system, but often rely on the \_\_\_\_\_ principal to avoid water penetration.