

Name _____ Date _____

Directions: Complete the outline using the fact sheet provided.

I. Types of Greenhouses

A. Freestanding (single) _____

B. Ridge and Furrow (gutter connected)- _____

C. Commercial greenhouse structures (draw pictures for each)

1. Gutter connected

2. Quonset

3. Single gable

II. Foundations

A. Foundation must resist _____

and should extend _____.

B. _____ is the most appropriate material for permanent structures.

III. Structural Components

A. Major vertical support is provided by _____.

B. _____ are arranged horizontally and connect the _____.

C. _____ and _____ are vertical supports that dictate the height of the production area.

IV. Framing Materials

A. _____ is the most economical material for constructing the greenhouse frame.

1. Has the longest _____.
2. Allows for _____.

B. Steel is commonly used but

_____.

1. Needs more _____ than aluminum.
2. Heavier requiring _____.

C. Wood was once a common framing material.

1. Main disadvantage is that it _____.
2. If wood is used, _____ lumber should be purchased.

V. Coverings

A. Glass-

Disadvantages _____
_____.

B. Double layer of polyethylene -

Advantages _____
_____.

C. Fiberglass -

Advantages _____
_____.

D. Polycarbonate -

Advantages _____
_____.

E. Acrylic -

Advantages/Disadvantages _____
_____.

F. Factors to check with covering manufacturer

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | 6. _____ |

VI. Shade Compounds

A. What can be added to provide shade for the greenhouse?

