**Plant Defense Systems**

Answers the following questions

**F**ill the blank with the appropriate answer

1. One of the strategies for band to defend  **aga**inst herbivores and pathogen is \_\_\_\_\_\_\_\_
2. Some plants have hard structure with sharp ends such as \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_
3. The plants can make three types of the coating which are \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_
4. The plants used the defense system for \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The secondary metabolic have important functions in plants which are

a.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 6. Secondary metabolic can be divided into three groups which are \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_

 7. define pathogenesis-related (PR) proteins? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Put a (T) beside the correct sentences and (F) for the wrong one:

1. \_\_\_ The cutin is NOT the major component of plant cuticle.
2. \_\_\_ the Wax complex are syntheses in the endodermal cell
3. \_\_\_Suberin is present in the Casparian strip of root epidermis
4. \_\_\_ Suberin is mainly found in the underground part of the plants
5. \_\_\_ Cutin waxes is made of hydrophobic compounds
6. \_\_\_ Fungi can penetrate directly through the plant surface by Producing cutinase enzyme
7. \_\_\_ Terpens is synthesized mainly from Acetyl CoA
8. increasing the levels of secondary metabolites into crop plants can reduces the need of pesticides