

GREEN MATERIALS

Study Questions

Please answer the following questions after each Module, and email your answers to the Instructor (info@technologyed.com)

Module 1

1. Provide your perspective on the Discussion Board
2. Define "green packaging"
3. Briefly discuss the important/relevance of green packaging
4. Briefly discuss the functions of green packaging
5. Briefly discuss the criteria for being "green packaging"
6. Briefly discuss the "green logistics"

Module 2

1. Briefly discuss why paper, plastic, glass, aluminum is considered "green"
2. Provide a packaging example that uses paper
3. Provide a packaging example that uses plastic
4. Provide a packaging example that uses glass
5. Provide a packaging example that uses aluminum
6. List the plastic recycling codes 7. Briefly discuss your view of the economics associated with recycling

Module 3

1. Define "renewable plant or material"
2. Provide a 2 examples of packaging derived from a renewable material 3. Briefly discuss an application using sugarcane molasses

Module 4

1. Define biodegradable.
2. What are the environmental conditions necessary for biodegradation?
3. List 3 biodegradable polymers
4. Briefly discuss a packaging application for a biodegradable polymer

Module 5

1. Define LCA
2. What is the purpose of conducting a LCA?
3. Briefly discuss an example of where conducting a LCA would be important
4. Briefly discuss the LCA for PET bottle-to-fiber recycle, and why its important
5. Define "green economics"
6. Define "green politics"
7. Briefly discuss how "green economics" can pave the way to improve future human needs and requirements
8. Briefly discuss the "revolution" associated with "sustainable packaging"
9. Research the Internet and briefly 3 examples of corporate sustainability initiatives