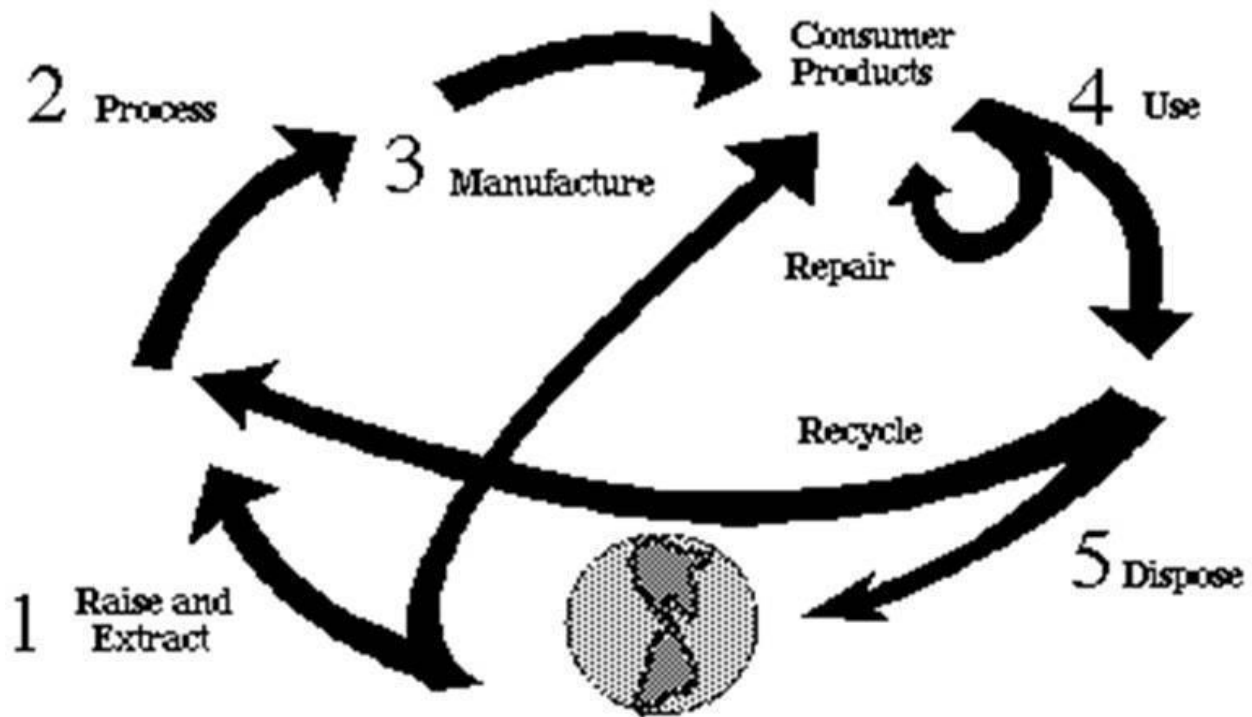


IED PRACTICE EXAM #3

Directions: This is a CLOSED BOOK/ CLOSED NOTES test. Select the letter of the response which best completes the item or answers the questions. Questions 1 – 15 are worth 1 pt each. Questions 17-24 are worth 2 pts each and Q26 is worth 10 pts.

Use the image below to answer questions 1 -5.

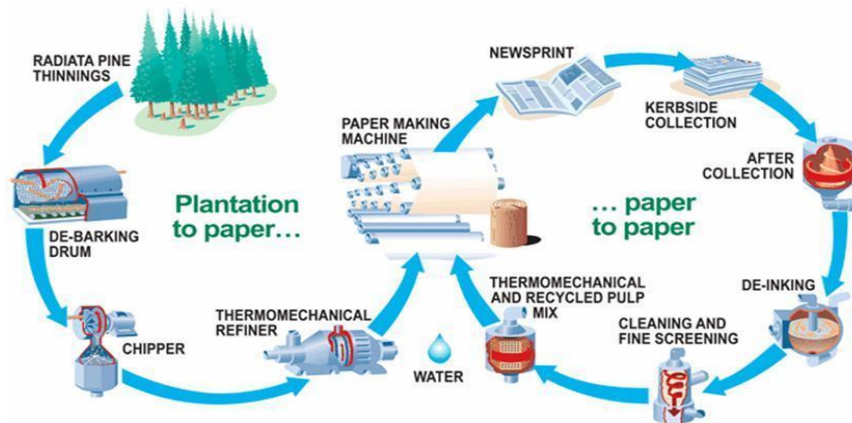


1. What is the name of this process?
 - A. The Military-Industrial Complex
 - B. The Gantt chart
 - C. The cycle of Life
 - D. The Product lifecycle
2. Which element of this process would be eliminated if this was a one direction linear and not cyclical process?
 - A. Manufacture
 - B. Recycle
 - C. Process
 - D. Use
3. Which of the following steps of this process is heavily dependent upon energy use and consumption?
 - A. Extraction
 - B. Manufacture
 - C. Both Extraction and Manufacture
 - D. None of the above
4. Which step of the process would be eliminated or discouraged if all products were manufactured with *built in obsolescence*.
 - A. Recycle

- B. Repair
 - C. Manufacture
 - D. Dispose
5. What is the difference between OSHA and the EPA
 - A. OSHA is concerned with mineral extraction and EPA is concerned with worker safety
 - B. OSHA is concerned with environmental safety and the EPA is concerned with Worker safety
 - C. OSHA is concerned with worker safety and the EPA is concerned with Environmental protection
 - D. None of the above
 6. The accepted code of behavior in a particular situation is none as
 - A. Assimilation
 - B. Capitulation
 - C. Roberts Rules of Order
 - D. Protocol
 7. EPA is the acronym for
 - A. The Environmental Protection Agency
 - B. The Essential Protocol Agenda
 - C. The Environmental Products Association
 - D. The Essential Products Agency
 8. Ethics are
 - A. The behavioral norms associated with the manufacture and distribution of products
 - B. The moral principles governing or influencing conduct.
 - C. The compilation of environmental knowledge
 - D. The complete lack of regard for the welfare of others
 9. The hearing and determination of a dispute or the settling of differences between parties by a person or persons chosen or agreed to by them is none as
 - A. Assimilation
 - B. Arbitration
 - C. Association
 - D. Acculturation
 10. When the unit or team becomes stronger than the sum of the individual members then the team is said to be
 - A. Energized
 - B. In harmony
 - C. Synergized
 - D. In nirvana
 11. The Public Official who is ultimately responsible for ensuring that all laws and regulations of a state are followed is
 - A. The Governor

- B. The Director of the EPA
 - C. The Director of OSHA
 - D. The Attorney General
12. The act or process of using an intermediary to effect an agreement or reconciliation is called
- A. Storming
 - B. Mediation
 - C. Protocol
 - D. ethics
13. A biological community of interacting organisms and their physical environment is known as
- A. A biosphere
 - B. A hemisphere
 - C. An Ecosystem
 - D. None of the above

Use diagram to answer questions 14 and 15



14. What could be an example of consumer use?
- A. Chipper
 - B. De-inking
 - C. Newsprint
 - D. After collection
15. What could be a possible negative consequence if paper to paper recycling and reuse were to completely eliminate the need for the plantation to paper cycle?
- A. Increase in yearly forest fires as forests would become choked with dead trees
 - B. Loss of jobs and income for communities dependent on the logging industry
 - C. Both could be possible consequences
 - D. There would be no negative consequences to the elimination of the plantation to paper cycle.

For questions 16- 26 use the PLTW Problem statement below to complete the Design Brief

Desk Organizer Design Brief

Client: 16. List a possible Client based on the Problem statement (2 pts):

Designer: 17 (2pts):

Problem Statement: The teachers in the Syracuse City School District frequently teach in several different rooms in the course of the day. In this work environment it is difficult to systematically organize pens (6), pencils (6), staplers (1 and a small box of staples), erasers (3), tape (1 roll), white board markers (6 assorted colors), and chalk (1 small box of 12 pieces) on the many different work surfaces (desks) that they use.

Design Statement: 18. Write a statement of what needs to be designed here(2pts):

Constraints: 19. Time (2pts): _____

20. Size(2pts) : _____

21. Materials(2pts) :

22. Safety Considerations(2pts) :

23. Function (with specific quantities of what is to be organized)

(2pts): _____

24. List one other constraint here (2pts):

25. In the space below produce sketches and notes of one possible solution (10 pts)

