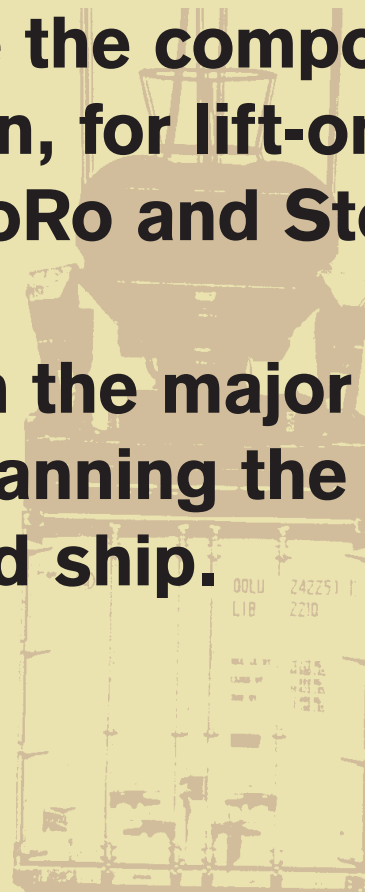


# UNIT OBJECTIVES

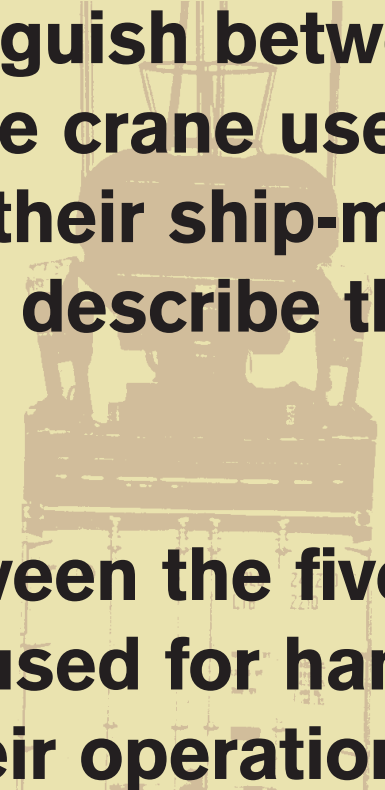
- 1. List and describe the component activities of the ship operation, for lift-on-lift-off (LoLo) and roll-on-roll-off (RoRo and StoRo) operations.**
- 2. State and explain the major safety principles followed when planning the stowage of containers aboard ship.**



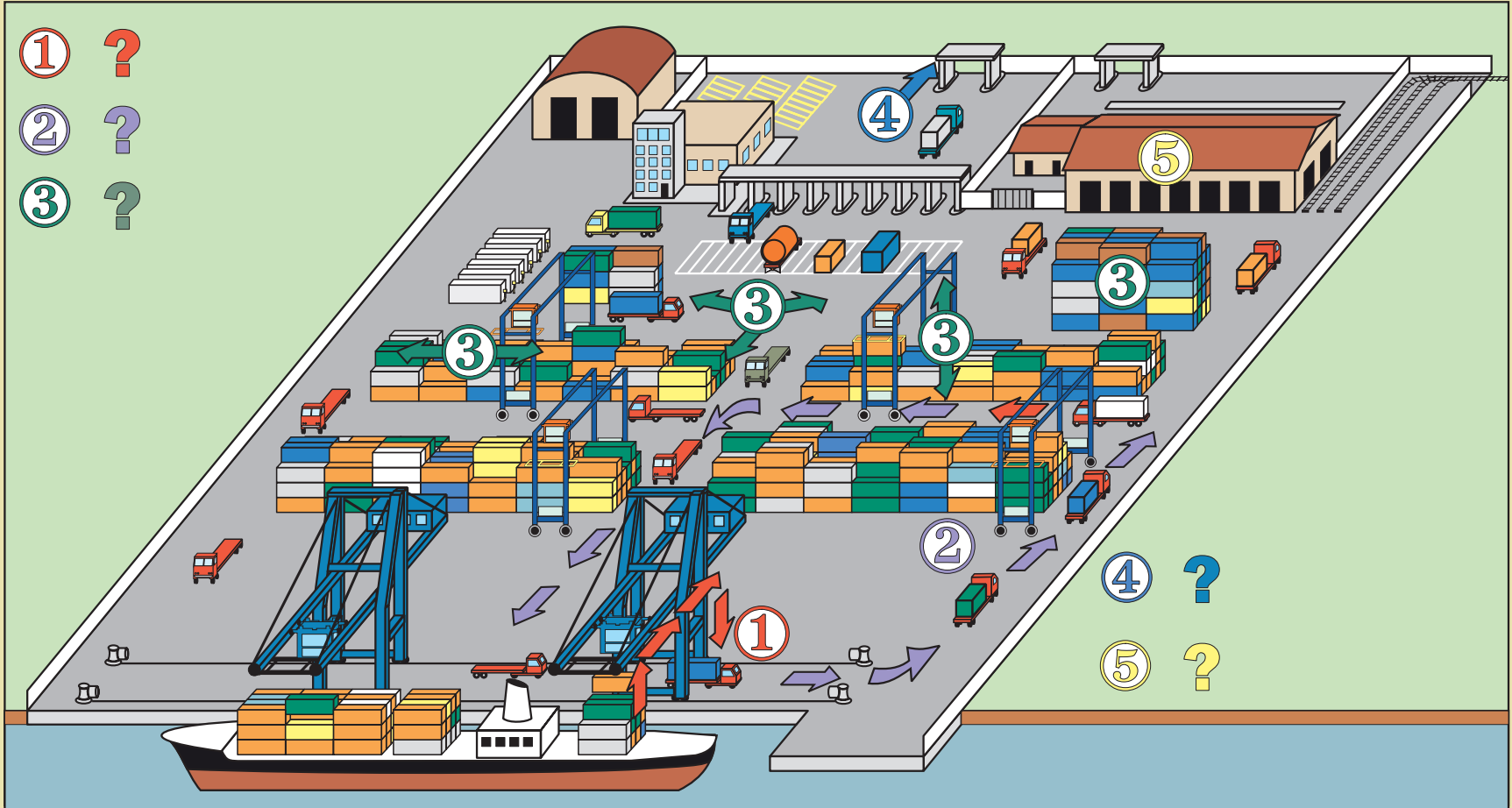
## UNIT OBJECTIVES

- 3. State and explain the major operational needs taken into consideration when planning container stowage.**
- 4. Describe in general terms the form and use of the ship operation work schedule documents, and outline the principles followed by planners when preparing them.**

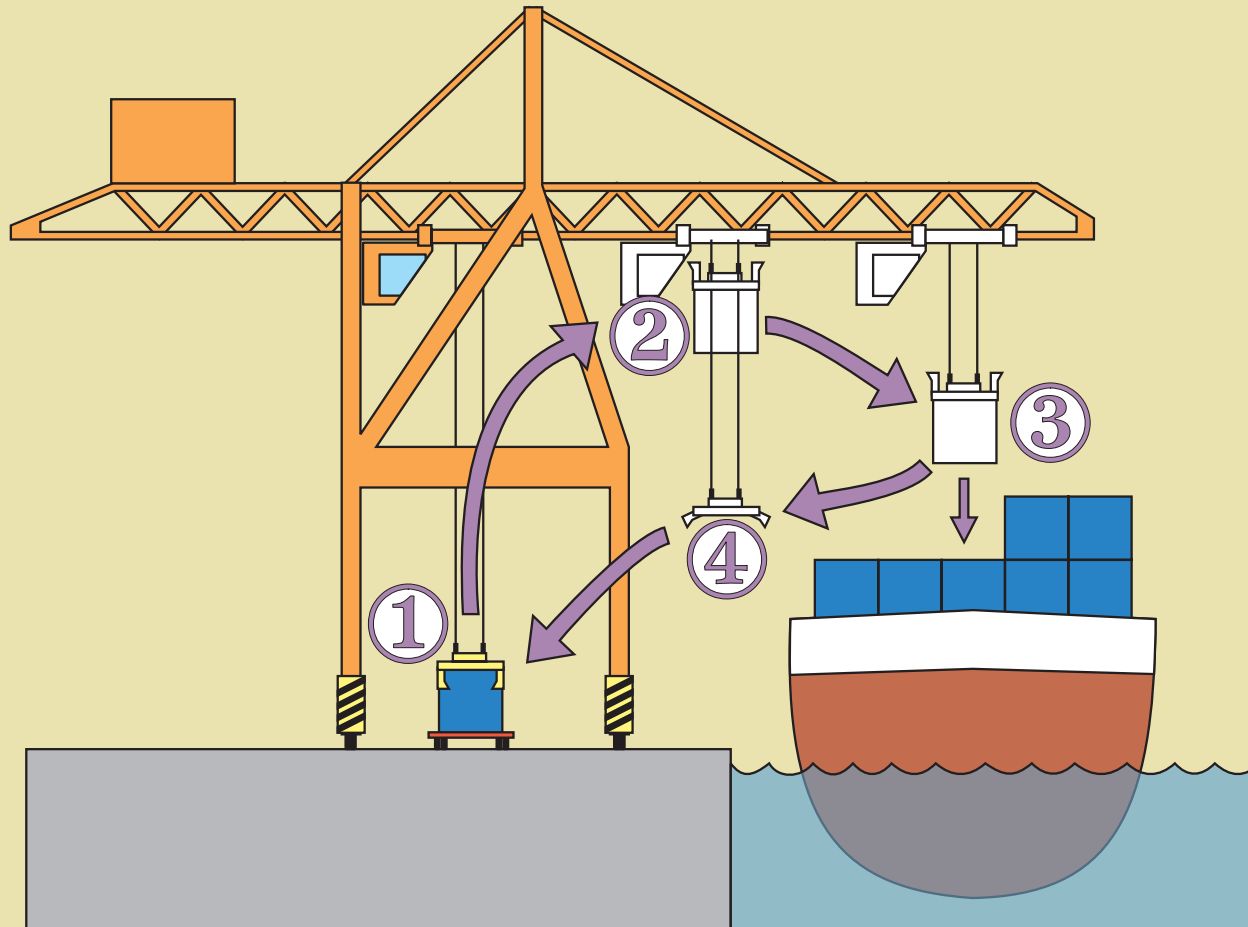
## **UNIT OBJECTIVES**

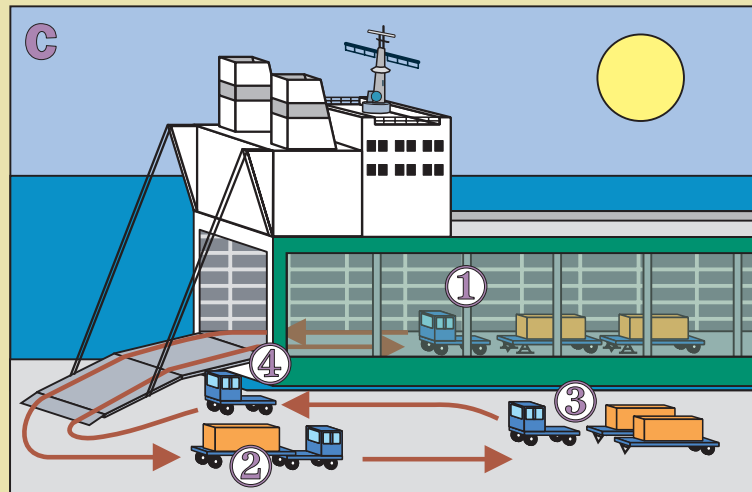
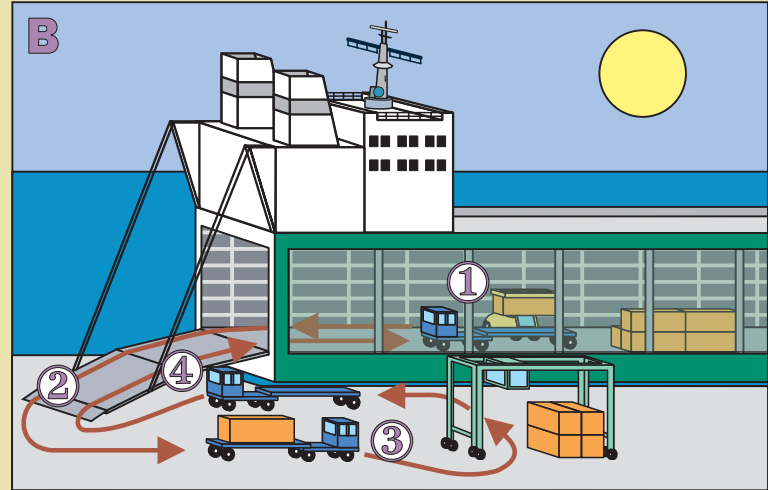
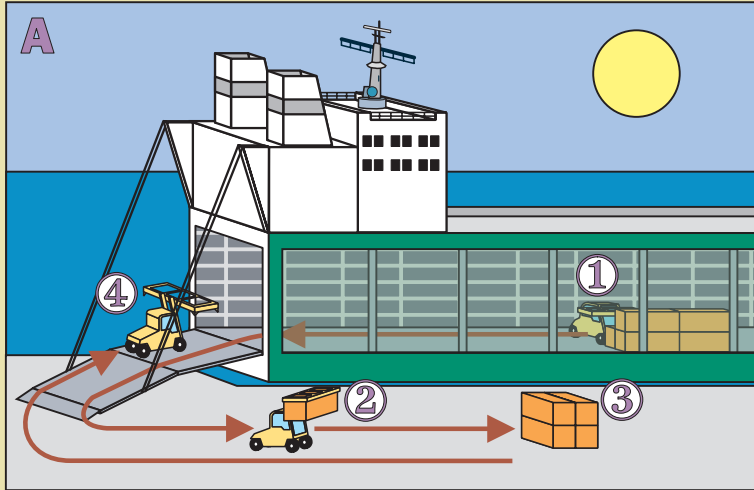
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- A large, semi-transparent image of a container spreader crane is centered in the background. It shows the complex mechanical structure of the crane, including the spreader beam and the lifting mechanism, positioned over a container.
- 5. Name and distinguish between the four main types of quayside crane used for handling containers, and their ship-mounted equivalents, and describe their operation in general terms.**
  - 6. Distinguish between the five main types of spreader beam used for handling containers and describe their operation in general terms.**

# TERMINAL OPERATIONS



# CRANE CYCLE - LOADING OPERATION





**Sto-Ro/RoRo  
DISCHARGE  
SEQUENCE**