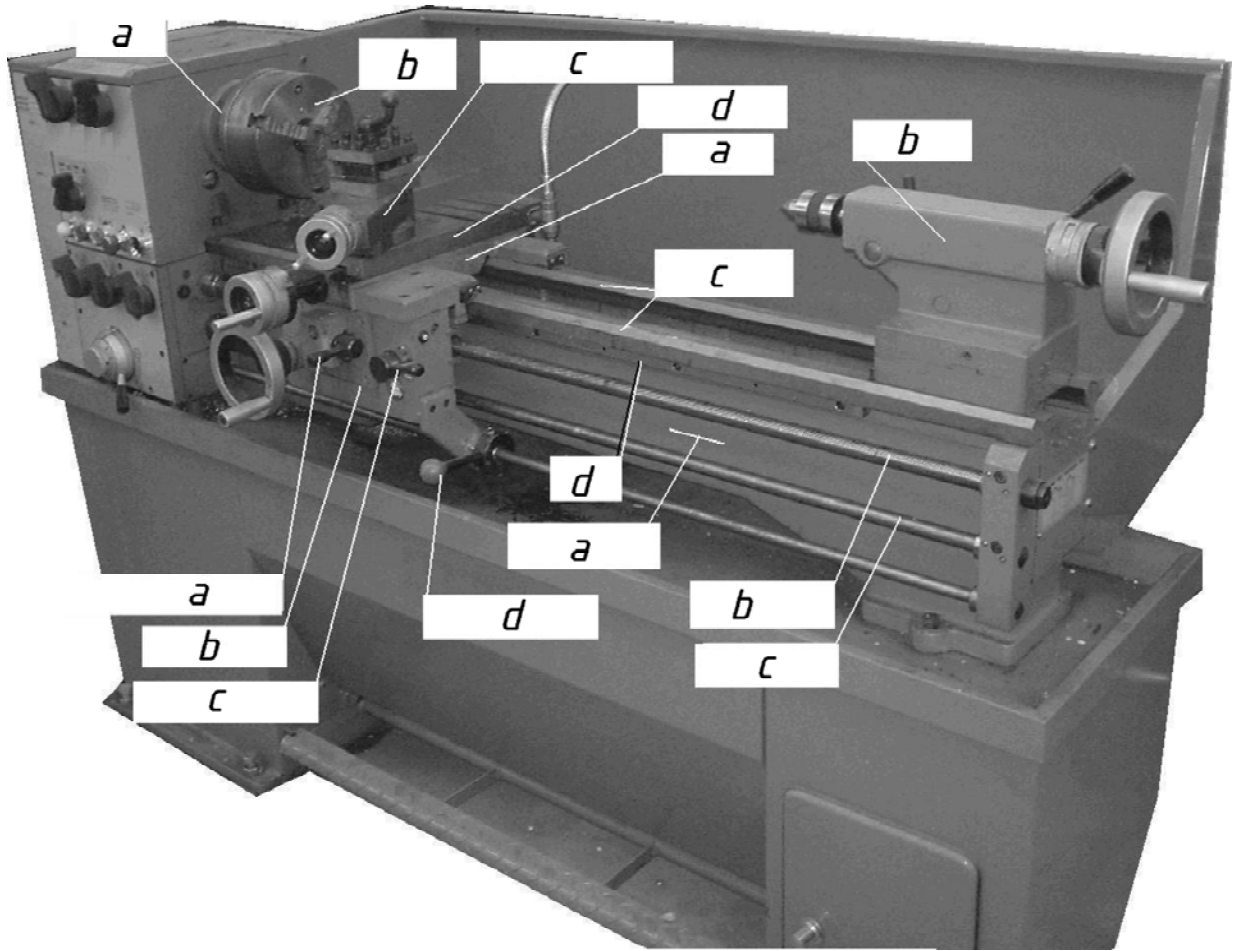


Study Guide - Intro to Lathes

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. The basic turning lathe is:
- a. The turret lathe
 - b. The automatic lathe
 - c. The engine lathe
 - d. The Swiss type lathe
- _____ 2. "Forming" on a lathe is accomplished by:
- a. Specially shaped cutting tools
 - b. Compound rest travel
 - c. Rotating fixtures
 - d. By cutting grooves and chamfers
- _____ 3. Vertical lathes are used for work requiring a:
- a. Larger swing and weight capacity
 - b. Long, thin parts
 - c. Higher turning speed (RPM)
 - d. Multiple jaw chuck
- _____ 4. A Swiss lathe is categorized as such because of:
- a. The tool motion in the Z-Axis comes from the motion of the workpiec
 - b. They are made exclusively in Switzerland
 - c. The tools themselves spin (live tooling)
 - d. Threading is possible on them



- ___ 5. Identify the chuck
 a. A
 b. B
 c. C
 d. D
- ___ 6. Identify the compound rest
 a. A
 b. B
 c. C
 d. D
- ___ 7. Identify the rack
 a. A
 b. B
 c. C
 d. D
- ___ 8. Identify the compound apron
 a. A
 b. B
 c. C
 d. D
- ___ 9. Identify the ways
 a. A
 b. B
 c. C
 d. D

Name: _____

ID: A

- _____ 10. Identify the carriage feed lever
- a. A
 - b. B
 - c. C
 - d. D
- _____ 11. A precision work holding device which consists of a tapered feature which is segmented so that it centers and holds round stock when tightened. Specialized versions of these are also available in shapes for other than round stock. On a mill, these are used to hold tools.
- a. Compound Rest
 - b. Chuck
 - c. Collet
 - d. Carriage