1. Phase diagram reading

Example 1

Consider this phase diagram:



Questions:

- 1. Write the species:
- 2. This phase diagram cross-section describes the (choice: unary binary ternary quaternary) system.

	М
	I
	К
	C
8.	Estimate the temperature, pressure, total composition of the system, and the
	compositions of the phases given by points C, D, E
	СЕ
	Calculate phase ratio of the equilibrated phases in the system given by point E.

- 9. Write some tie-line into phase diagram cross-section, each in different phase field.
- 10. Describe what happens with the system given by point X when you will slowly cool the system to room temperature (suppose equilibrium at each temperature step).

11. Describe what happens with the system given by point I when you cool the system.

12. Look the phase diagram cross-section and mark the azeotropic point.