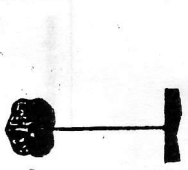
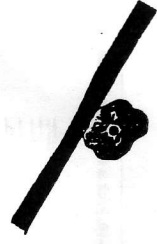
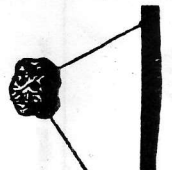


LM-2. Equilibrium 	LM-3. Friction prevents sliding. 	LM-4. Equilibrium 	LM-5. Equilibrium 	LM-7. Equilibrium 	LM-8. Equilibrium 	LM-9. Rock is sliding on a frictionless incline. 
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LM-10. Rock is falling. No friction. 	LM-11. Rock is sliding at constant speed on a frictionless surface. 	LM-12. Rock is falling at constant (terminal) velocity. 
LM-13. Rock is decelerating because of kinetic friction. 	LM-14. Rock is rising in a parabolic trajectory. 	LM-15. Rock is at the top of a parabolic trajectory. 
LM-16. Rock is tied to a rope and pulled straight upward, accelerating at 9.8 m/s^2. No friction. 	LM-17. Rock is tied to a rope and pulled so that it moves horizontally at constant velocity. (There must be friction.) 	LM-18. Rock is tied to a rope and pulled so that it accelerates horizontally at $2g$. No friction. 