

Energija – RJEŠENJA

1. a) 3 500 N b) 1,234 J c) 25 000 J d) 430 kJ e) 2 J f) 5 kN g) 125 kPa	h) 2 000 kPa i) 12 500 mPa j) 2500 mJ k) 350 000 J l) 500 000 kPa m) 12 000 J n) 0,5 N	2. $W = 200 \text{ J}$
3. $W = 800 \text{ J}$ $P = 13,33 \text{ W}$		4. $W = 60 \text{ J}$ $P = 30 \text{ W}$
5. $t = 4 000 \text{ s}$		6. $t = 2 000 \text{ s}$
7. $G = 8 \text{ N}$ $m = 0,8 \text{ kg}$		8. $h = 0,5 \text{ m}$
9. a) $\Delta E = 150 000 \text{ J}$ b) $P = 250 \text{ W}$		10. a) $W = 28 000 \text{ J}$ b) $P = 400 \text{ W}$
11. a) $W = 60 000 \text{ J}$ b) $P = 6 000 \text{ W}$		12. a) $E_{gp} = 8,1 \text{ J}$ b) $\Delta E = - 2,7 \text{ J}$
13. a) $W = 1 400 \text{ J}$ b) $P = 700 \text{ W}$ c) $\Delta E = 1 400 \text{ J}$		14. a) $W = 150 \text{ J}$ b) $\Delta E = 150 \text{ J}$ c) $P = 1,25 \text{ W}$
15. a) $W = 60 000 \text{ J}$ b) $\Delta E = 60 000 \text{ J}$ c) $P = 500 \text{ W}$		16. $\Delta E = 375 000 \text{ J}$
17. $s = 400 \text{ m}$		18. $h = 11,5 \text{ m}$
19. $W = 18 360 \text{ J}$		20. $W = 1 080 \text{ J}$
21. a) $E_{gp} = 40 000 \text{ J}$ $E_k = 0 \text{ J}$ b) $E_{gp} = 32 000 \text{ J}$ $E_k = 8 000 \text{ J}$ c) $E_{gp} = 10 000 \text{ J}$ $E_k = 30 000 \text{ J}$ d) $E_{gp} = 0 \text{ J}$ $E_k = 40 000 \text{ J}$		