CH 20 – Angry Birds

[C]

(a) 4.64 slingshots/s

(b) vx is constant

(c) 0

(d) 6.97 slingshots/s

(e) vy decreases

(f) ay = -3.8 slingshots/s/s

[B]

(a) free-fall acceleration due to gravity on earth (-10 m/s/s)

(b) 2.6 m in 1 slingshot

(c) 0.94 m

(d) v=(12,18) m/s

(e) |v| = 22 m/s

[A]

(a) 3.9 m

(b) 4 m/s

(c) 0

(d) vy=10 m/s

(e) ay=-2.5 m/s/s

(f) |v| = 11 m/s