

CH 20 – Angry Birds

[C]

- (a) 4.64 slingshots/s
- (b) v_x is constant
- (c) 0
- (d) 6.97 slingshots/s
- (e) v_y decreases
- (f) $a_y = -3.8$ 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) $v_y = 10$ m/s
- (e) $a_y = -2.5$ m/s/s
- (f) $|v| = 11$ m/s