

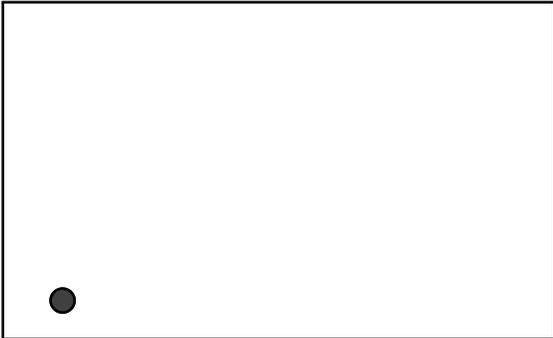
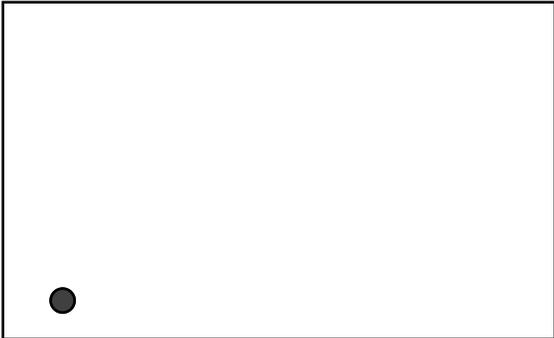
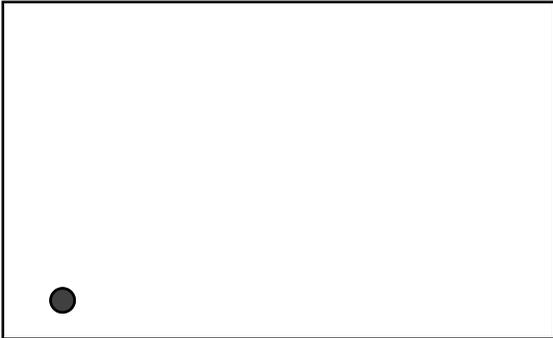
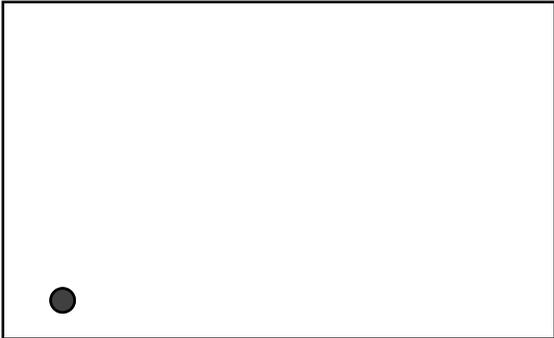
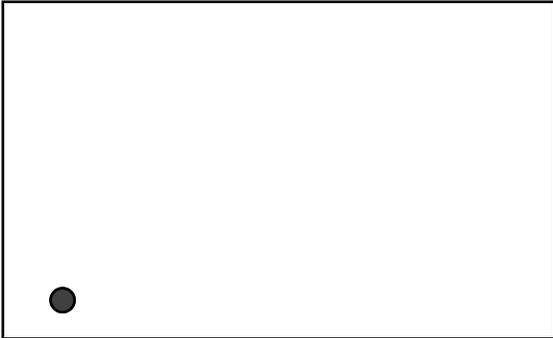
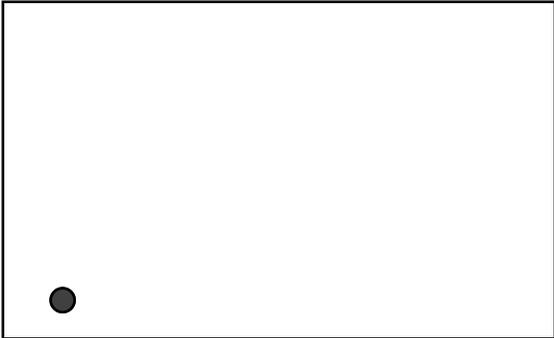
PHYSICS

Name: _____

Worksheet - Projectile Motion

Date	Hr
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In the boxes below draw the path that a projectile fired at a 45° angle with the horizontal would follow in each situation (make a 7 frame drawing as if you took seven snapshots of the projectile).

	your guess	actual path
EARTH		
MOON		
DEEP SPACE		

In the actual paths for each situation, (right) draw vectors representing the vertical and horizontal components of velocity, label them v_x and v_y .

What generalization can you make about a projectile's horizontal velocity v_x ?

What generalization can you make about a projectile's vertical velocity v_y ?