Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chapter 6 Projectiles

* A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is any object that moves through space where the only \_\_\_\_\_\_\_\_\_\_\_ acting on the object is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The path that a \_\_\_\_\_\_\_\_\_\_\_\_ follows is called a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ combine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ motion and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ motion.



\*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ motion combines uniform horizontal motion (\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_) with freefall vertical motion ( \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)\*

Rolling ball (with no \_\_\_\_\_\_\_\_\_) is an example of \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the ball is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ so \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between “frames” (equal time between frames) is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Sketch the diagram below.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an example of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ motion

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ distance from point of release \_\_\_\_\_\_\_\_\_\_\_ in the ratios 1:4:9:16:25:… or \_\_\_\_\_\_\_\_…

\_\_\_\_\_\_\_\_\_\_\_\_ between frames increases as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_….

\*At the instant a cannon fires a cannonball horizontally over a level range, another cannonball held at the side of the cannon is released and drops to the ground.

 Which strikes the ground first? \*