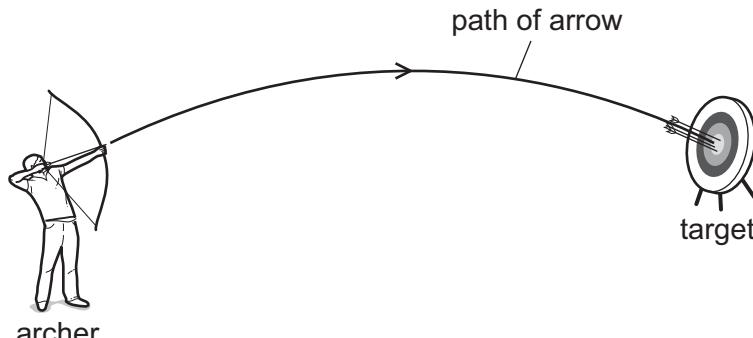
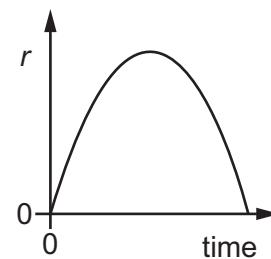
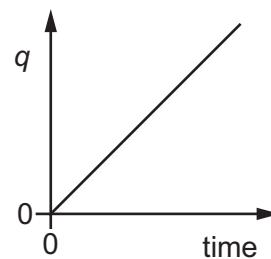
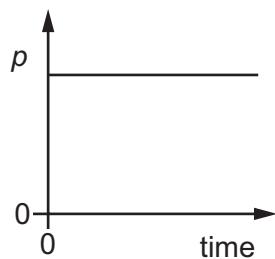


- 7 An archer shoots an arrow at a target. The diagram shows the path of the arrow.



Air resistance is assumed to be negligible.

The graphs show how three different quantities  $p$ ,  $q$  and  $r$ , relating to the motion of the arrow, vary with time.



Which quantity is the horizontal component of displacement and which quantity is the vertical component of displacement of the arrow?

	horizontal component of displacement	vertical component of displacement
<b>A</b>	$p$	$q$
<b>B</b>	$q$	$r$
<b>C</b>	$r$	$p$
<b>D</b>	$r$	$q$