Two balls are launched with the same initial velocity, at an angle  $\theta$  above the horizontal, as shown in the diagram below. If different forces of air resistance act on the balls, the motion of the balls will be different.

- Identify *two* properties of the balls that affect the size of the forces of air resistance, and describe how each of these properties affects the forces of air resistance.
- Explain the effect that air resistance has on the time the balls take to reach their maximum height.

	(16 marks)

