

G481

Module 2: Forces in Action

1.2.2 Non-Linear Motion



Objectives

- **State** the factors that affect drag
- **Explain** why objects experience drag
- **Describe** the motion of an object in terms of the resultant forces acting on it



Non-Linear Motion

- Describe how a real object falls
- What are the sizes of the forces acting on it?
- What is the acceleration of the object?
- What is the velocity of the object?
- How can you show this graphically?



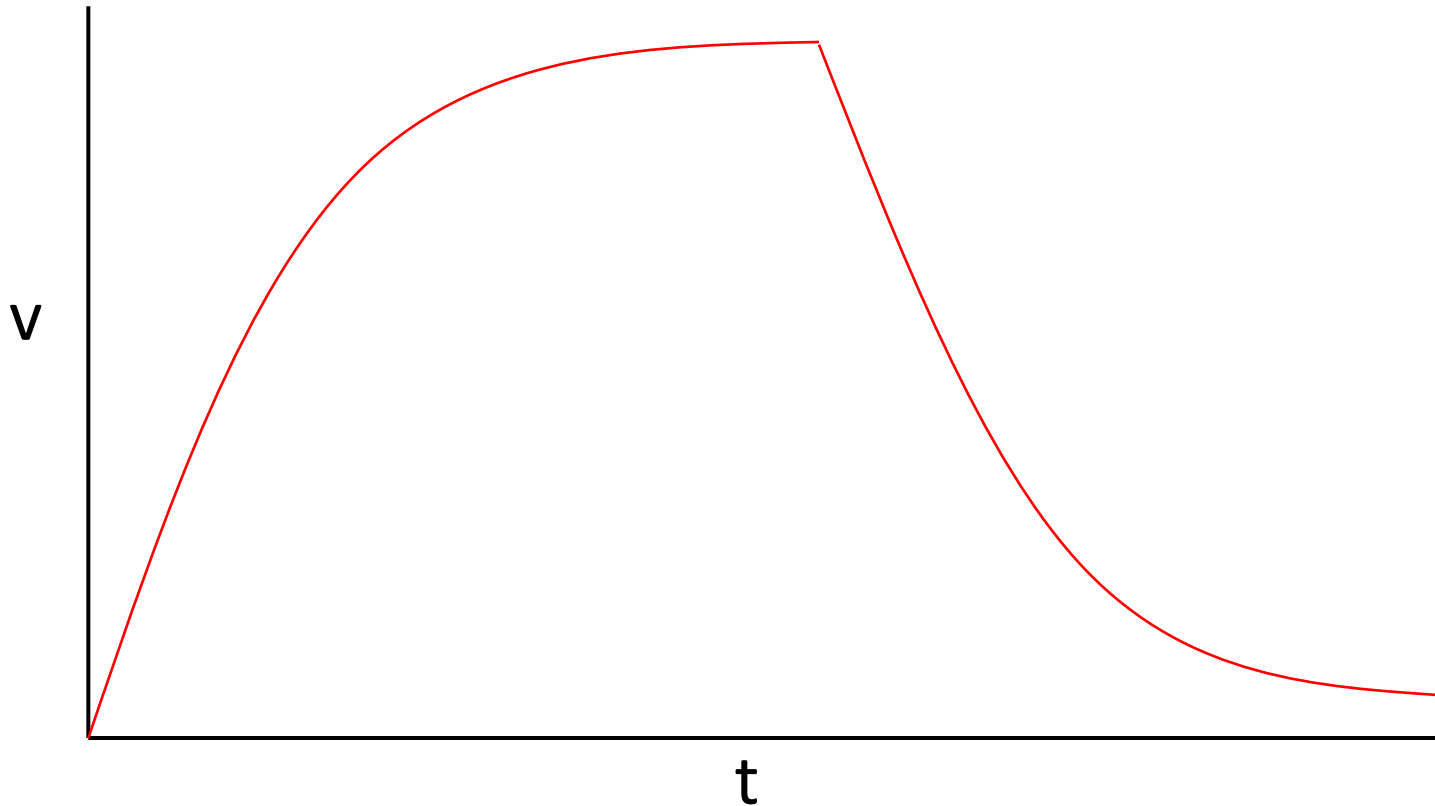
Non-Linear Motion

Weight is....

Terminal velocity is....



A really important graph



- Describe the velocity
- Describe the acceleration
- Explain the shape in terms of forces

