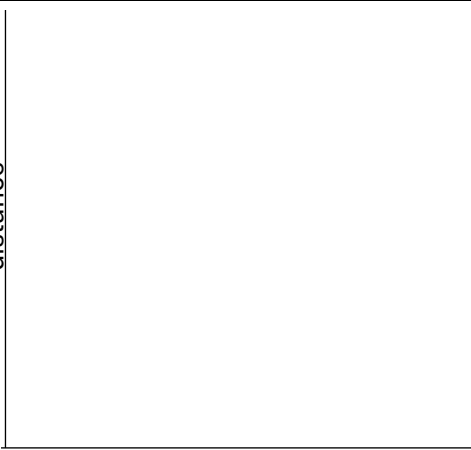
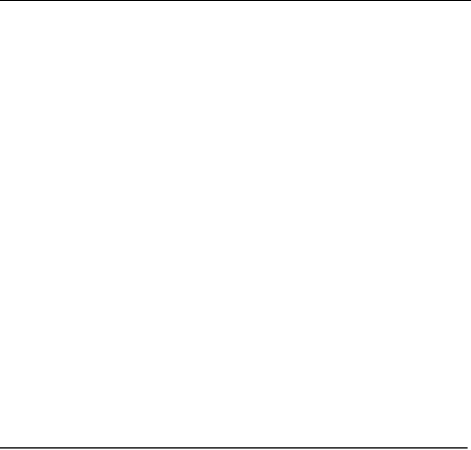
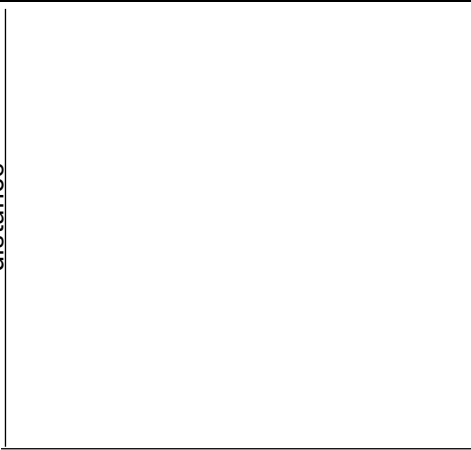
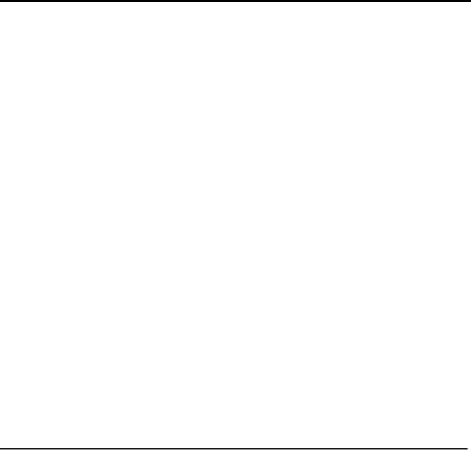
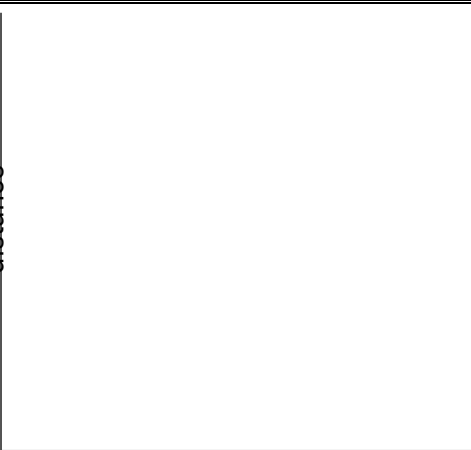
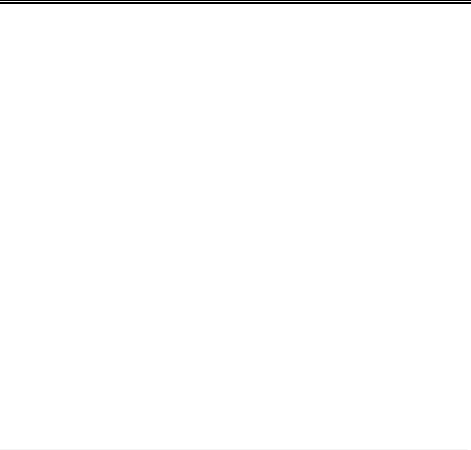


## Motion graphs

Sketch a distance time graph and a velocity time graph for each of the following situations:



Stationary object		
Constant speed		
Constant acceleration		

### **Extension**

Explain how to calculate the *speed* at a particular time in the *distance-time* graph for *constant acceleration*.

Explain how to calculate the *distance travelled* by the object in the *velocity-time* graph for *constant acceleration*.

# Electricity

## Definitions

Write your own definitions for the following words or technical terms – there are a *lot* of them in this topic!



<b>Word or term</b>	<b>Definition</b>
Alternating current (a.c.)	
Ammeter	
Ampere (amp)	
Battery	
Cell	
Charge	
Circuit	
Circuit diagram	
Circuit symbol	
Coulomb	
Current	
Diode	
Direct current (d.c.)	
Earth wire	
Lamp	
Light Dependent Resistor (LDR)	
Light Emitting Diode (LED)	
Live wire	
National grid	