

Y10 Mocks 2022 - Physics	Trilogy	
	Foundation	Higher
<b>Energy</b>		
1.1.1 Energy stores and systems		
1.1.2 Changes in energy		
1.1.3 Energy changes in systems		
1.1.4 Power		
1.2.1 Energy transfers in a system		
1.2.2 Efficiency		
1.3 National and global energy resources		
<b>Electricity</b>		
2.1.1 Standard circuit diagram symbols		
2.1.2 Electrical charge and current		
2.1.3 Current, resistance and potential difference		
2.1.4 Resistors		
2.2 Series and parallel circuits		
2.3.1 Direct and alternating potential difference		
2.3.2 Mains electricity		
2.4.1 Power		
2.4.2 Energy transfers in everyday appliances		
2.4.3 The National Grid		
<b>Particle Model of Matter</b>		
3.1.1 Density of materials		
3.1.2 Changes of state		
3.2.1 Internal energy		
3.2.2 Temperature changes in a system and specific heat capacity		
3.2.3 Changes of heat and specific latent heat		
3.3.1 Particle motion in gases		
<b>Atomic Structure</b>		
4.1.1 The structure of an atom		
4.1.2 Mass number, atomic number and isotopes		
4.1.3 The development of the model of the atom (common content with chemistry)		
4.2.1 Radioactive decay and nuclear radiation		
4.2.2 Nuclear equations		
4.2.3 Half-lives and the random nature of radioactive decay		
4.2.4 Radioactive contamination		