## **Chapter 5: Electricity in the home**

a battery provides a Label the diagram and	
	A high potential difference across the transmission cables means that a

alternating current		alternating potential difference	charge flow	coulombs	direct current
	fuse	National Grid	short circuit	step-down transformer	ste

## **Chapter 5: Electricity in the home**

## **Retrieval questions**

Answer the following questions using the information from the knowledge organiser.

	P5 questions	Answers
0	Why is the current provided by a cell called a direct current (d.c.)?	
2	What is an alternating current (a.c.)?	
3	What kind of current is supplied by mains electricity?	
4	What is the frequency and voltage of mains electricity?	
6	What colours are the live, neutral, and earth wires in a three-core cable?	
6	What is the function of the live wire in a three-core cable?	
1	What is the function of the neutral wire in a three-core cable?	
8	What is the function of the earth wire in a three-core cable?	
9	When is there a current in the earth wire?	
•	Why is the live wire dangerous?	
❶	What is the National Grid?	
Ð	What are step-up transformers used for in the National Grid?	
₿	What are step-down transformers used for in the National Grid?	
4	How does having a large potential difference in the transmission cables help to make the National Grid an efficient way to transfer energy?	
Ð	What two things does energy transfer to an appliance depend on?	
16	What are the units for power, current, potential difference, and resistance?	