

Vocabulary	Meaning	Circuit	Bulb	Series circuit	Parallel circuit
Electricity	The presence and flow of electric charge (electrons)				
Renewable (green) energy	Energy collected from natural sources that are constantly replenished				
Non-renewable energy	Energy that cannot be readily replaced; most sources are fossil fuels (mads from carbon)	Key knowledge – 5 Electrical Con	Conductors and Insu	lators nductor or insulator?	
Climate change	The long-term alteration of temperature and weather patterns	silver gold copper	steel sea water An mat	electrical current flov erials (conductors).	ws through some
Circuit	A path through which electrical current flows	5 Electrical Inst	ulators		
Bulb	Glass containing a wire filament that emits light with electricity	rubber glass oil	diamond dry wood An other	electrical current doe er materials (insulato	es not flow through rs).
Wire	Conducts electricity around a circuit – the wire is plastic coated		steel paper clip Steel is a condu	ictor. Plas	astic toy
Cell	Changes energy into electricity, two or more cells are a battery	Key knowledge –	Electrical circuits		
Series circuit	One path for the current to flow	bulk		A circuit is a path th	nrough which
Parallel circuit	Two or more paths for the current to flow	filament	ulb holder	makes components	ows. As it flows, it S
Current	The rate of flow of electric charge past a point	electrical current		(parts) of the circuit	t work.
Voltage	How much energy is provided to the circuit			An electric current	will not flow if there
Electrons	Part of an atom; a negative charge	is no power sourc	e. A cell has two end	ds labelled + (positiv	e) and – (negative).
Conductor	Materials that let electricity pass through them easily	+ Positive Termina			
Insulator	Materials that do not allow electricity to pass through them				
Atom	Tiny particles that are the basic building blocks of all matter	Negative Termina			
Electrons	Part of an atom; a negative charge	circuit.	U DIEAK AN EIECUICAI		
Switch	A device for breaking the connection in an electric circuit	A dimmer is used	to vary the brightnes	s of an electric light.	