***Making heat from electricity.***

***In school we learn that some materials carry electricity well, others badly. The good carriers of electricity are called conductors, while the poor carriers are known as insulators. Conductors and insulators are often better described by talking about how much resistance they put up when an electric current flows through them. So conductors have a low resistance (electricity flows through them easily) while insulators have a much higher resistance (it's a real struggle for the electricity to get through). In an electric or electronic circuit, we can use devices called resistors to control how much current flows; using a dial to increase the resistance and lower the current in a loudspeaker circuit is a way of turning down the volume.***

***Resistors work by converting electrical energy to heat energy; in other words, they get hot when electricity flows through them. But it's not just resistors that do this. Even a thin piece of wire will get hot if you force enough electricity through it.***

***By Chris Woodford. Last updated: July 29, 2018.***

***Activity one*: *say whether true or false.***

**1\_conductrs are poor materials that carryelectricity.**  
**2\_electricity flows through conductors easily.**

**3\_resistors get hot when electricity flows through them.**

***Activity two***: ***give the synonyms of these words:***

***\_bring=…………*** ***\_power=…………*** ***\_durability=………\_give the opposites of these words.***

***\_worse= ………. \_cold=………… \_high=………***

***Activity three***: ***give a short and brief definition of these words:***

***\_electricity:…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………***

***\_wire:……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………***

***\_circuit:………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………***

***\_Activity four***: ***translate the underlined sentences into French.***

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