

Second Term

Read the text carefully, then do the following activities:

**Scientists test WiTricity - wireless electricity**

A team of US researchers has come up with an electricity system that does not need wires. This is a breakthrough in what will hopefully be a wireless future. The scientists, from the Massachusetts Institute of Technology, lit a 60-watt light bulb using magnetic fields. In the test, the power source was just two metres away from the light, but the team hopes they will soon be able to send electricity longer distances through the air. **They** have dubbed their new invention "WiTricity", or wireless electricity. Although wi-fi has been around for some years now, **it** has been limited to the transmission of information, especially between computers and modems, printers and scanners. This is the first time electrical appliances have been powered wirelessly.

This new development means that our houses may be free from tangled wires. Gone will be the days of having to unplug the vacuum to go from room to room, and of having countless plugs hidden behind the TV and stereo. The new source of delivering power to gadgets remotely may also reduce the number of fires caused by poor wiring and overloaded sockets. It turns out the concept is not **so** new. A century ago, inventor Nikola Tesla struck upon the idea of building a huge tower in New York **that** would wirelessly beam power to the city. Unfortunately, his idea never came to fruition, until today, that is. It will still be a while before we have wireless homes and offices. Safety experts will be checking closely to ensure the power source causes us no harm.

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1/Is the text above:

a-Narrative.

b-Expository.

c-Argumentative.

2/Say if these statements (True) or (False) according to the text:

- a-Scientists have tested a radio that doesn't have wires inside it.
- b-Scientists have sent electricity two meters through the air.
- c-Wi-fi is a concept that first originated at the end of last year.
- d-WiTricity may reduce the number of household electrical fires.

3/Fill in the chart with information from the text:

**The new invention**

Name?	Inventor?(who)	Where?	Description.what is it?

4. Answer these questions according to the text:

- a-Did scientists use Wi-Fi to transmit electricity before?
- b-Why does the writer believe that "WiTricity" is safer?

5. What or who do the underlined words refer to in the text:

a-They(\$1)

b-It(\$1)

c-That(\$2)

**Text exploration:**

**1. Match words in column(a) with their synonyms in column (b):**

A-words	B-synonyms
1-Breakthrough c	a-gadgets
2-dubbed b	b-called
3-transmission d	c-revolution
4-appliances a	d-send out

**2. complete the chart as shown in the example :**

Verb	Noun	Adjective
To invent	Invention	Inventive
To believe		successful

**3. Put the verbs between brackets in their correct forms:**

- a-If you (to mix) oxygen with hydrogen, you (to set) water.
- b-What (to happen) to you if you (to touch) a wire of electricity??

**4. Mark the stress on the following words:**

Electricity - invention - technology - economic.

**5. Fill in each gap with only one word from the list below:**

(energy - natural - experiments - use)

Electricity is one of our greatest... sources and one of the few... energy of  
sources. Franklin's electricity... were the first scientific venture into the nature and  
electricity and uncovered its true nature.

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Good luck for all