

## CONHECIMENTO PRÉVIO

### FAMILIARIZAÇÃO COM O TEXTO

**1** Você lerá a seguir um texto intitulado *Why is Recycling Important?*

Antes de iniciar a leitura, reflita sobre o que você já leu ou sabe a respeito do assunto (o que é *recycling*; materiais; processos; benefícios/vantagens, etc.).

**2** Agora leia o texto a seguir e verifique se ele apresenta informações que não foram mencionadas na questão anterior.

## Why is Recycling Important ?



**D**id you know that you can help the environment in a lot of ways by recycling various materials. Read on to know how recycling can help protect and preserve the natural resources of our mother nature.

#### → What is Recycling

Before you know about the importance and benefits of recycling and its relation to a better environmental condition, it is essential to understand

what is recycling. Recycling refers to the process of collecting used materials which is usually considered as 'waste' and reprocessing them. In this process these used materials are sorted and processed to be used as 'raw materials' for the production of new products. Recycling varies from 're-use' in the sense that while re-use just means using old products repeatedly, recycling means using the core elements of an old product as raw material to

manufacture new goods. Some of the most common items that are recycled are plastic, glass, paper, batteries, aluminum etc.

#### → **Process of Recycling**

The recycling process involves three stages. In the first stage the old products are collected and processed, where they are sorted, cleaned and made ready for recycling or manufacturing new products. The second stage involves the manufacturing of new products from the raw material obtained by the processing of the old products. Finally, the process ends with the purchasing of recycled goods by the consumers. The more people step forward to buy recycled products the better the success of the recycling process can be ensured. Buying recycled products will only increase when every individual will develop an awareness of the difference that can be made by utilizing their old household objects as raw materials to produce new goods and help the environment by recycling.

#### → **Why is Recycling Important**

The importance of recycling can be observed in multiple ways. If you are wondering in your mind as to "why I should recycle" then here are some causes which should convince you to do so.

##### • **Recycling Saves Energy**

When new products are manufactured from the raw material obtained from recycled products, it saves a lot of energy which is consumed for the production. When new products are manufactured from 'virgin materials', the amount of energy consumed is much higher. Besides, the energy required to acquire and transport the 'virgin' raw materials from their origins or natural sources is also saved. Add to that the energy which is required to clean and protect the environment from the pollutant waste products, especially those which are non-biodegradable (plastic) and fill up the landfill areas.

##### • **Recycling Saves Environmental Conditions and Reduces Pollution**

Recycling helps in preventing global climate change to a great extent. By minimizing the energy spent on industrial production, recycling also helps in reducing greenhouse gas emission. Some of the major fossil fuels used in most industries include coal, diesel, gasoline etc. All these emit harmful gases such as methane, sulfur dioxide, carbon-dioxide to the environment. The processing of fresh raw material also creates toxic materials which pollute the environment. By reducing the energy used, recycling also minimizes the amount of fuel usage which in turn reduces the amount of harmful pollutants in the environment.

### • Recycling Saves Natural Resources

We know that recycling involves the processing and usage of the core elements of an old product for the production of new products. This helps in saving our natural resources to a great extent. For example, once an old newspaper is recycled we do not need to use the resource of another tree to produce new paper products. This way, proper recycling can help us preserve our natural resources for our future generations and maintain the balance of the nature.

### • Economic Benefits

Similar to energy and natural resource, recycling also helps in saving a lot of expense, demanded for the production of new products from 'virgin' materials. These expenses include the entire production cycle starting from acquiring the raw materials, transferring them from their origin to production places, processing and manufacturing costs.

Recycling process creates employment opportunities for a lot of people, involved in the various stages of the process. This in turn contributes to the economic development of the state or country.

### • Recycling Saves Space for Waste Disposal

Most of the landfill sites are filled up with a lot of waste products that could have been recycled effectively. Some of these waste materials belong to non-biodegradable category which takes a long time to decompose. Recycling enables proper usage of these waste products and saves space for landfills. The pace with which landfills are getting filled up, soon we might run short of landfills unless we start following recycling at our own home and spread the word to others.

(Disponível em: < <http://www.buzzle.com/articles/why-is-recycling-important.html> >. Acesso em 06 Julho 2009.)

**3** Volte ao trecho "What is Recycling" e responda:

**a** Como o autor define *Recycling*?

---

---

---

---

**b** Que materiais podem ser reciclados?

---

---

---

---

**4 Qual é o significado das seguintes palavras retiradas do texto:**

**a** Recycling refers to the process of collecting used materials which is usually considered as **'waste'** and reprocessing them.

resíduos

matérias

desperdício

**b** In this process these used materials are sorted and processed to be used as **'raw materials'** for the production of new products.

materiais raros

matéria-prima

materiais recicláveis

**c** ... recycling means using the **core** elements of an old product as raw material to manufacture new goods.

dispendiosos

descartáveis

essenciais.

**d** ... recycling means using the core elements of an old product as raw material to manufacture new **goods**.

processos

benfeitorias

produtos

**e** Buying recycled products will only increase when every individual will develop an **awareness** of the difference that can be made by utilizing their old household objects as raw materials to produce new goods and help the environment by recycling.

consciência

conceito

alerta

**5** Abaixo estão representadas, em forma de desenho, as etapas descritas no trecho *Process of Recycling*. Enumere-as de acordo com a sequência cronológica descrita no texto.



**6 Ligue os títulos aos fatos:**

- 1 *Recycling saves energy*
- 2 *Recycling saves environmental conditions and reduces pollution*
- 3 *Recycling saves natural resources*
- 4 *Economic benefits*
- 5 *Recycling saves space for waste disposal*

- a** o espaço destinado aos aterros sanitários deveria ser utilizado prioritariamente para acomodar produtos biodegradáveis, uma vez que produtos não-biodegradáveis levam muito tempo para se decompor.
- b** o processo de reciclagem gera novas oportunidades de emprego contribuindo para o desenvolvimento econômico do país.
- c** a preservação de recursos naturais e a manutenção do equilíbrio da natureza se faz através da reutilização de produtos descartados.
- d** a diminuição do gasto de energia utilizada leva a um menor uso de combustível, contribuindo assim para a redução de poluentes no meio ambiente
- e** a utilização de matéria prima a partir de produtos reciclados para a fabricação de novos produtos economiza energia

**7 Você concorda com o texto? O que tem sido feito na sua casa, escola, no seu ambiente de trabalho com relação ao assunto tratado?**

---

---

---

---

**APRESENTAÇÃO DE ESTRATÉGIA****ACIONANDO CONHECIMENTO PRÉVIO**

**A COMPREENSÃO DE UM TEXTO** depende em grande parte do conhecimento que o leitor já possui e que se encontra armazenado em sua memória – ou seja, de seu conhecimento prévio. Esse conhecimento resulta da aprendizagem acumulada com base nas experiências vivenciadas pelo indivíduo ao longo do tempo e pode ser acessado para auxiliar na assimilação de informações novas. O conhecimento prévio é um recurso fundamental no processo de compreensão, pois possibilita a formulação de hipóteses e inferências pertinentes ao significado do texto.

## CONSOLIDAÇÃO

### COGNATOS

1 Volte ao texto e encontre o equivalente em inglês das seguintes palavras:

importância \_\_\_\_\_

essencial \_\_\_\_\_

materiais \_\_\_\_\_

elementos \_\_\_\_\_

papel \_\_\_\_\_

alumínio \_\_\_\_\_

causas \_\_\_\_\_

proteger \_\_\_\_\_

poluição \_\_\_\_\_

preservar \_\_\_\_\_

relação \_\_\_\_\_

processo \_\_\_\_\_

produção \_\_\_\_\_

plástico \_\_\_\_\_

baterias \_\_\_\_\_

benefícios \_\_\_\_\_

energia \_\_\_\_\_

biodegradável \_\_\_\_\_

emissão \_\_\_\_\_

decompor \_\_\_\_\_