

REVISION CARDS - THE SIX Rs - REDUCE, RECYCLE, REUSE

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REDUCE



This means using less non-renewable resources.

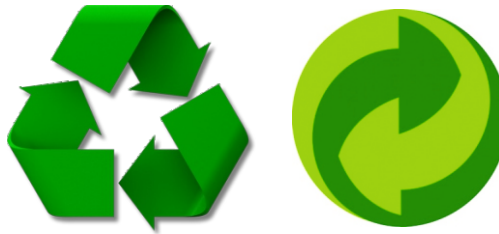
Reducing the amount of raw materials we use to manufacture products.

Reduce wastage of raw materials used in the manufacture of products.

Reduce the amount of energy used to transport products. Perhaps, by manufacturing products locally.

Reducing the packaging we use to 'contain' products. Use less supermarket carrier bags.

RECYCLE



We should recycle as many materials as possible, as this reduces the amount of new materials required to manufacture the products we want.

A vast range of materials can be recycled particularly paper, card, and many plastics.

Recyclable materials can be reformed / processed and made into a new products.

REUSE



Where possible, we should reuse products or their components / parts when they are disassembled, at the end of their life cycles.

Products should be designed, so that they can be used again or at least their parts, with minimal reprocessing.

This is usually cheaper and more environmentally friendly, than using new raw materials.

A good example of reuse is glass bottles, which are washed and refilled. Also applies to some plastic bottles.

1. In terms of protecting the environment, what is the meaning of '**reduce**'?

3 marks

2. In terms of protecting the environment, what is the meaning of '**recycle**'?

3 marks

3. In terms of protecting the environment, what is the meaning of '**reuse**'?

3 marks

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REFUSE



Refuse to buy or use a product, if it is not environmentally sustainable, or it is not necessary.

Refuse to buy a product that is over packaged, with non-recyclable materials.

Refuse to buy a product, that has not been manufactured from recycled / reclaimed materials.

Refuse to invest your money in companies, that are not environmentally friendly.

RETHINK



Rethink - when designing, consider manufacturing the product from sustainable materials.

Rethink - do you really need the product, you are thinking of buying?

Rethink your lifestyle i.e. walk instead of driving a car, for a short journey. Turn electrical devices off, when they are not in use.

REPAIR



Only design products that are **repairable**, not disposable. A repairable product will last much longer, extending its useful working life. It will be environmentally friendly.

Only buy products that can be **repaired / maintained**. This will save you money in the long term and is kinder to the environment..

If possible, avoid buying disposable and non-repairable products.

4. In terms of protecting the environment, what is the meaning of '**refuse**'?

3 marks

5. In terms of protecting the environment, what is the meaning of '**rethink**'?

3 marks

6. In terms of protecting the environment, what is the meaning of '**repair**'?

3 marks