Using your knowledge of endothermic and exothermic reactions, complete the activities below.

1) Complete sentences using the words in the box.

energy	heat	chemicals	transferred	reactions
decrease	surroundings	temperature	increase	

Exothermic reactions transfer ..... from the reacting ..... into the surroundings.

We can measure the energy transferred by measuring the ..... increase in the reaction.

During endothermic ..... there is a ..... in temperature.

This is because energy is ..... from the ..... into the reacting chemicals.

2) Look at the reactions below. Label each reaction as **endothermic** or **exothermic** in the space provided below.

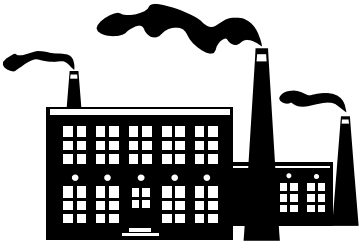
Respiration

Neutralisation

Photosynthesis

....

Thermal decomposition



Burning fuels

....

Answers

1.

Exothermic reactions transfer ***energy*** from the reacting ***chemicals*** into the surroundings.

We can measure the energy transferred by measuring the ***temperature*** increase in the reaction.

During endothermic ***reactions*** there is a ***decrease*** in temperature.

This is because energy is ***transferred*** from the ***surroundings*** into the reacting chemicals.

2.

Respiration – exothermic

Neutralisation – exothermic

Photosynthesis – endothermic

Thermal decomposition – endothermic

Burning fuels – exothermic