Energy & Enzymes

Enzymes are \_\_\_\_\_\_\_\_\_\_\_\_\_ that speed up \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Chemical reactions that give off energy are said to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ while those that absorb it are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Enzymes work by reducing the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ required for a chemical reaction, making it happen \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Sketch the graph which shows an enzyme’s effect on a chemical reaction below:

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Sketch the graph which shows an enzyme’s effect on a chemical reaction below:

There are 3 main factors that influence how well an enzyme works:

 1.

 2.

 3.

Sketch a graph showing the effect of temperature on enzyme function:

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