

## LESSON 1. PHYSICAL AND CHEMICAL CHANGES

### HOMEWORK

1. Read the passage, underlining key words/phrases, and answer the questions below:

*When sodium bicarbonate is added to a solution of citric acid, we see bubbling. This is because a new chemical, carbon dioxide gas, is produced. During this reaction water and sodium citrate are also produced. If we measured the temperature, we would find that it goes down as the reaction continues. This is a change in the quantity of heat energy.*

- 1) What are the reactants and products made in the example above?

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- 2) Can you think of any signs of a chemical reaction that are mentioned in the text above?

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