



SCIENCE TALENT SEARCH

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Key science ideas Examples for Creative Writing

Below are two good examples of key science ideas and two poor examples. These examples have been provided to give you some guidance in understanding the type and depth of response required to satisfy this guideline for Creative Writing.

PRIMARY (Good example)

In chemical reactions chemical changes occur such as a change in colour, formation of bubbles, an increase or decrease in temperature or light given off and a new substance is formed.

PRIMARY (Poor example)

A chemical reaction in one where a chemical change occurs. For example, sodium carbonate reacts with vinegar.

SECONDARY (Good example)

In a chemical reaction, atoms are rearranged to form new products. For example, sodium metal reacts with water to produce sodium hydroxide and hydrogen gas. The new substances formed are the hydrogen gas, which produces bubbles and a pop test can be used to test its presence. Sodium hydroxide turns pink when phenothalein is added. Heat is also produced as it is an exothermic reaction.

SECONDARY (Poor example)

In chemical reaction there is a change of colour. For example sodium metal explodes in water and it fizzes.

Explanatory note

The good examples explain the concept thoroughly with definitions, explanations and description of relevant examples. The poor examples are too general, inaccurate and incomplete.