



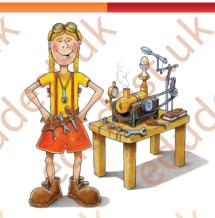
KS2U Science
Chemistry
Properties and Changes of Materials



The Power of Steam! Materials all change at the Railway

STUDENT INTRODUCTION

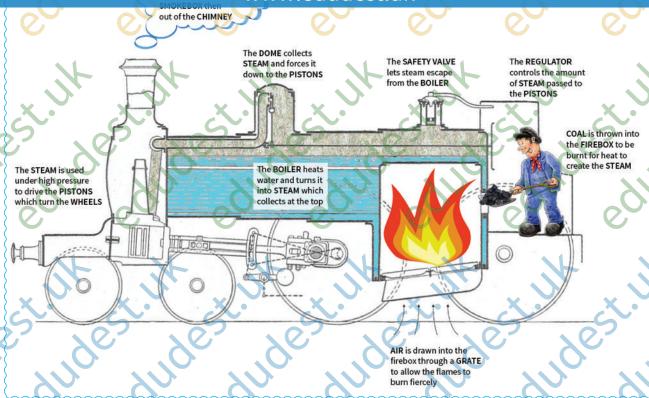
- Materials such as coal and water change extensively from one state to another when used in steam locomotives
- Can you work out the processes by which these materials change and why this important to the railway?



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Can you answer the following questions on materials? Use the diagram and written information to help you, as well as looking around the station platform area.

- 1. What materials are shown to be changing in the diagram?
- 2. It is very important that the stoker (sometimes called the fireman) or driver continues to shovel the coal. What would happen if he didn't?

