



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 from one state into another when used in steam locomotives
- Can you work out how these materials change and why they change?

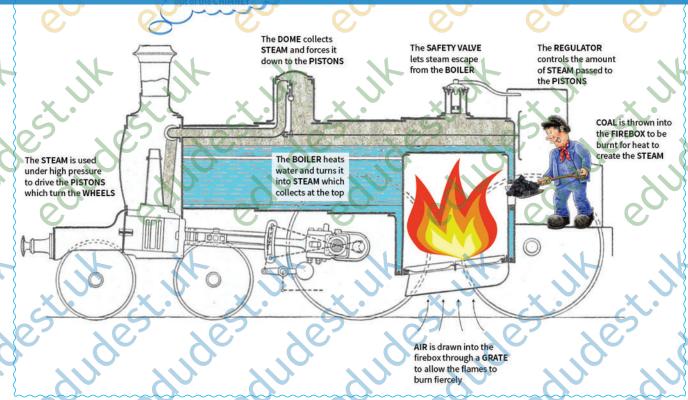


This diagram shows how the coal is used to heat water and generate steam energy

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Can you answer the following questions on materials? Use the diagram and the information on the station platform area to help you.

- 1. Which 2 main 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 do you think would happen if he didn't?



