Bottle and Balloon

hot water, the balloon partially inflated.

1. What happened to the balloon?

Approach: Station

In this activity you will watch a video about a balloon on a bottle. Play the video and watch what happens to the balloon.

Resources: Video showing a limp balloon attached to the mouth of a bottle. When the bottle was placed in

Level: Year 8 & year 4

vear 8

3

88

% responses

year 4

88

2. Why does this happen? Heat causes air to expand 12 Heat has some effect 51 20 Steam fills balloon (incorrect) 24 **Commentary**

Air expanded and blew up the balloon

Balloon blew up

Few students understood that the heat caused the air to expand. Many used an explanation related to hot air rising, while many others said that the balloon filled with steam.