

# BLOW MOULDING

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On behalf of The World Association of Technology Teachers

# W.A.T.T.



World Association of Technology Teachers

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The body of the perfumed product (shower gel) container, has been manufactured through a process called 'blow moulding'.

1. Add the names of the materials used to manufacture the cap and the body of the container.

\_\_\_\_\_

\_\_\_\_\_

2. Why is the material you named for the body of the container, suitable for its manufacture?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



RANGE OF COLOURS    RELATIVELY CHEAP  
 RECYCLED            CAN BE MOULDED

\_\_\_\_\_

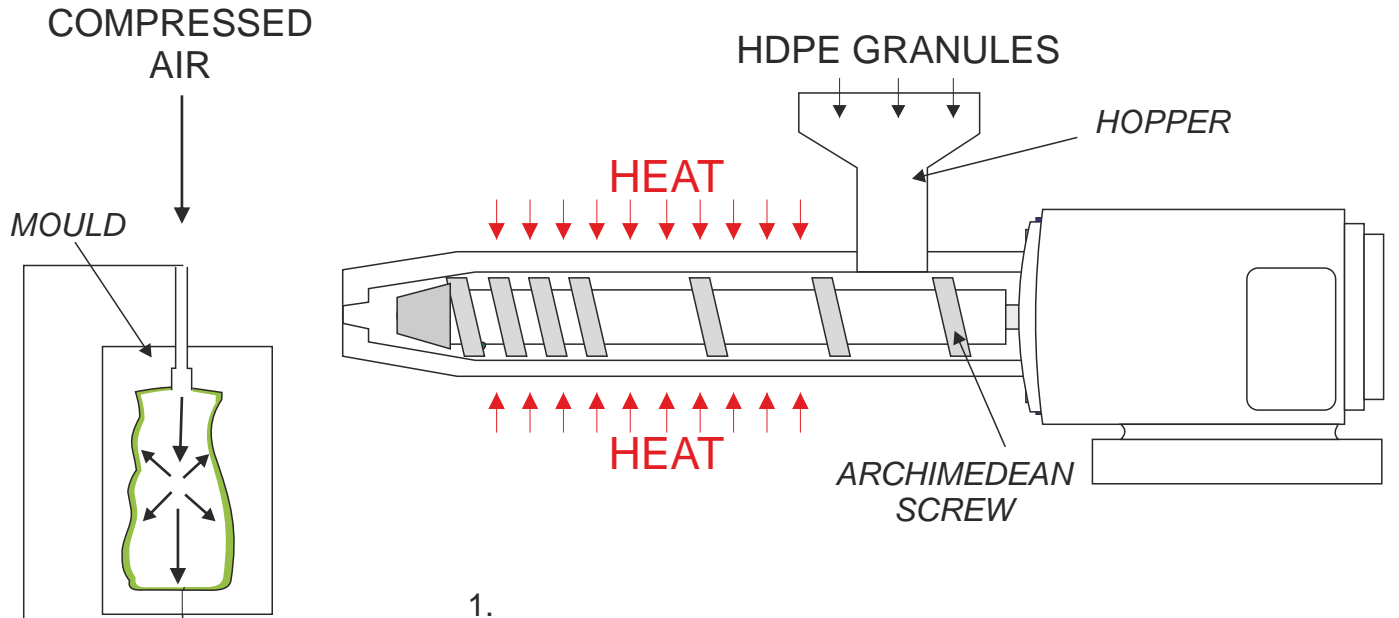
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Complete the diagram of blow moulding, by adding the missing parts and colour / shade. Add the missing notes, which explain each stage of the manufacturing process.

## BLOW MOULDING MACHINE



1. \_\_\_\_\_.
2. The granules fall on to the \_\_\_\_\_ which pushes them through the heater.
3. The granules melt and become mouldable.
4. As the molten HDPE is forced into the mould, a \_\_\_\_\_ air forces it to the outside wall of the mould, forming the body of the container.
5. When the HDPE cools, \_\_\_\_\_.