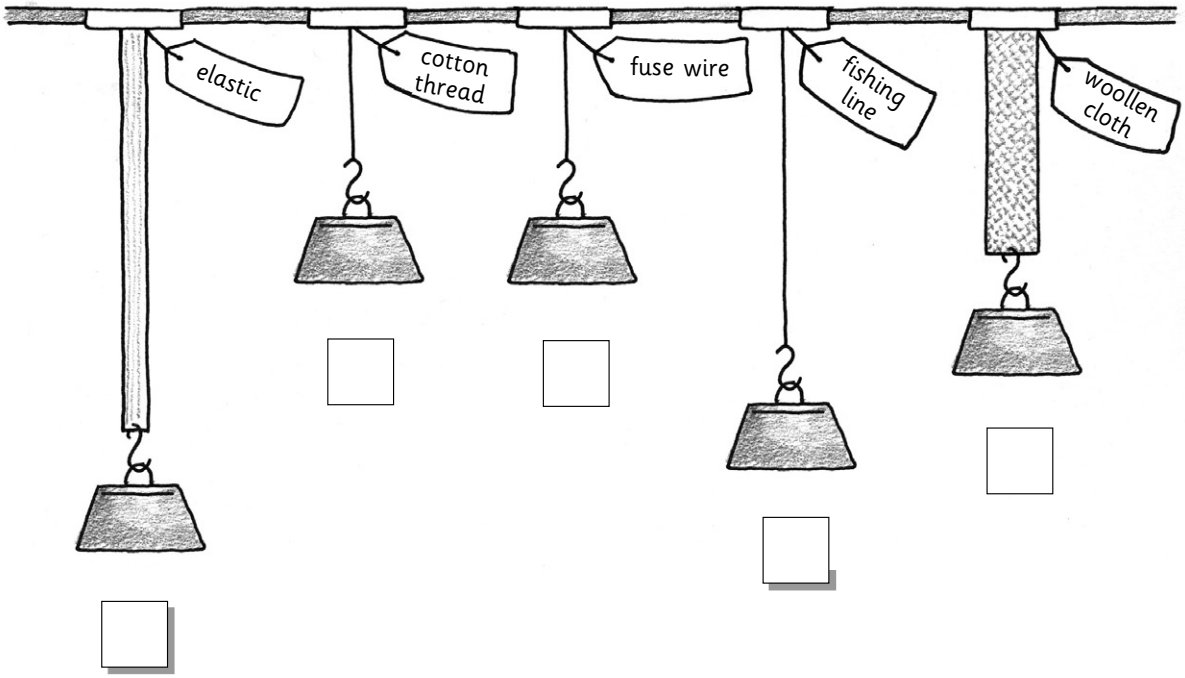
Stretchy things

Observations

Some materials stretch a lot when you pull them. Other materials are hard to stretch.

Science activity

Ella tested pieces of different materials to see how much they stretched. Each piece of material was the same length. She used the same heavy metal to give each material the same amount of pull. She then measured how much each one had stretched. Here are her results. Write **1** in the box under the strip that stretched to the longest length; write **2** under the strip that stretched to the next longest length; and so on.



Science exploration

Take extra care - ask an adult to supervise you.

Obtain 3–4 rubber bands of different sizes. Punch a hole near the rim of a small paper cup. Unfold a paper clip to make an "s" shape. Hook one end to the cup and the other end to a rubber band. Holding the rubber band, add pennies to the cup. Measure how much the rubber band stretches. Repeat these steps for each rubber band.

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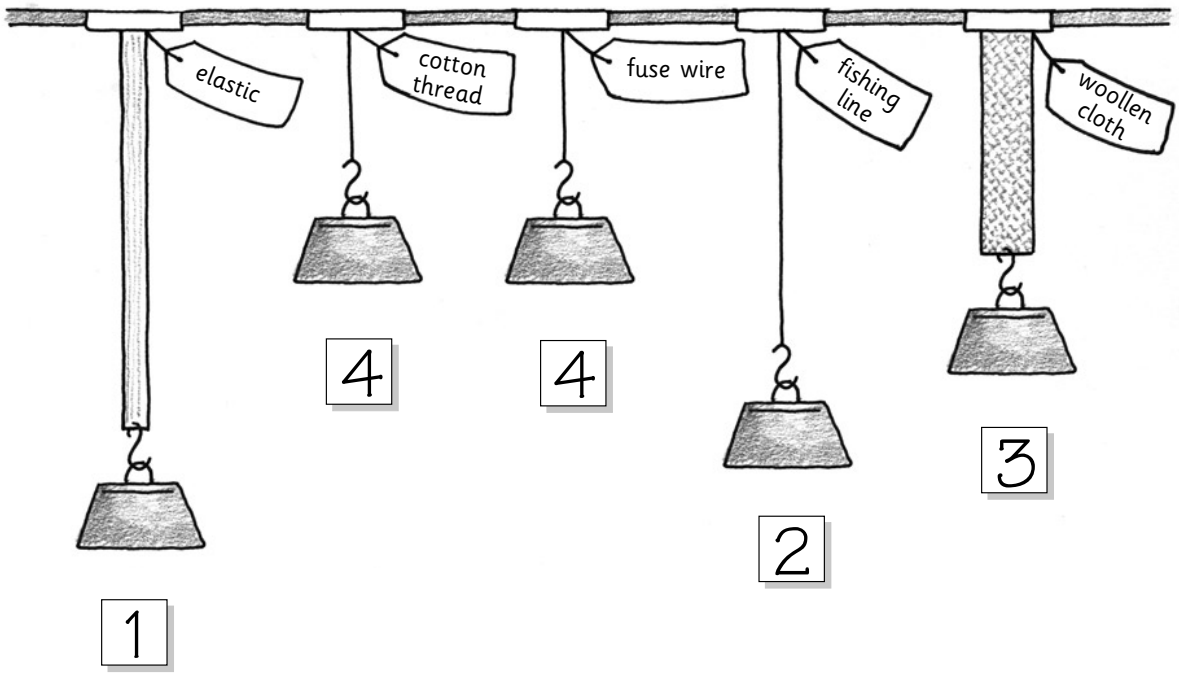

Science exploration

(!) The child will learn that some materials are more elastic than others. Help the child test different rubber bands to answer questions such as, "Do thicker ones stretch more easily than thinner ones?" or "Does the size of the rubber band affect the amount of stretch?"