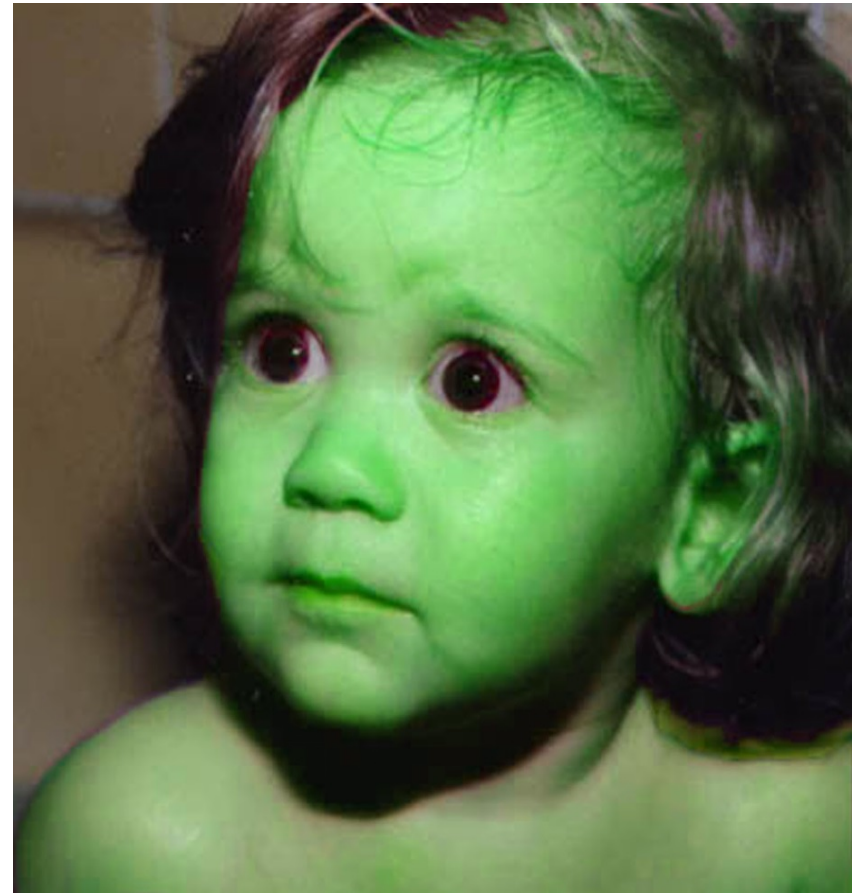


<b>Topic</b>	Photosynthesis and respiration	<b>Level</b>	Key Stage 3 (or any other course for students aged 11-16)
<b>Outcomes</b>	<ol style="list-style-type: none"><li>1. To understand that photosynthesis is a process by which plants make food during the day</li><li>2. To understand that plants respire all the time</li><li>3. To think creatively and use fantasy in a science lesson</li></ol>		

**O**nce upon a time, a human zygote became infected with a photosynthetic bacterium. As the embryo divided, the bacteria became incorporated into each new cell, making a baby that could photosynthesise. This 'Green Child' was very special because.....



**Continue the story about the Green Child. Make sure it contains answers to the questions below and is as creative as possible!**

- What could this child do that other human children could not do?
- Why did the Green Child feel hungry at night time?
- How do you think carbon dioxide and oxygen got to the Green Child's cells?
- Include some labelled diagrams of the Green Child's cells in your story.
- Do you think every cell in the Green Child could photosynthesise? Explain your answer.
- Would you expect the Green Child's cells to contain mitochondria? Explain your answer.