

Algae Pre-Quiz **Answer Key**

1. What is a biofuel?

<p>Draw a star below if you have never heard of biofuels before</p>	<p>I think biofuels are related to:</p> <p style="color: red; text-align: center;">Example answers: Biology, plants, fuels, energy, chemicals, renewable energy</p>	<p>The definition of biofuels is:</p> <p style="color: red; text-align: center;">Chemicals from plants that we can use for energy.</p>
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2. What are algae?

<p>Draw a star below if you have never heard of algae before</p>	<p>I think algae are related to:</p> <p style="color: red; text-align: center;">Example answers: Plants, ponds, swimming pools, seaweed, scum</p>	<p>The definition of algae is:</p> <p style="color: red; text-align: center;">Tiny plants that grow quickly in many places around the world. People do not usually eat them. Algae contain oil, starch and cell walls.</p>
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3. What do biological engineers do?

<p>Draw a star below if you have never heard of biological engineers before</p>	<p>I think the answer is related to:</p> <p style="color: red; text-align: center;">Example answers: Biology, plants, animals, medicine, farmers, food, building things, tractors</p>	<p>The answer is:</p> <p style="color: red; text-align: center;">Biological engineers are experts in biology but also use math, physics, chemistry, mechanical systems and computer technology to solve problems.</p>
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4. Why do biological engineers want to use algae for biofuels?

<p>Draw a star below if you have never heard of algae or biofuels before</p>	<p>I think the answer is related to:</p> <p style="color: red; text-align: center;">Example answers: Algae are plants, algae have lots of energy, we have plenty of algae</p>	<p>The answer is:</p> <p style="color: red; text-align: center;">Algae grow quickly in many places around the world. People do not usually eat them so they are not needed for food. Algae contain oil, starch and cell walls that can be made into biofuels.</p>
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5. Why do biological engineers want to know about the algae cell wall?

<p>Draw a star below if you have never heard of a cell wall before</p>	<p>I think the answer is related to:</p> <p style="color: red; text-align: center;">Example answers: Something is contained within the cell walls, cell walls can be used for something</p>	<p>The answer is:</p> <p style="color: red; text-align: center;">Engineers need to open the cell walls to get to the starch and oil. The cell walls can also be used for making biofuel.</p>
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