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| Programming Energy | Grade 1 Energy in Our Lives |
| Handout Solutions | |

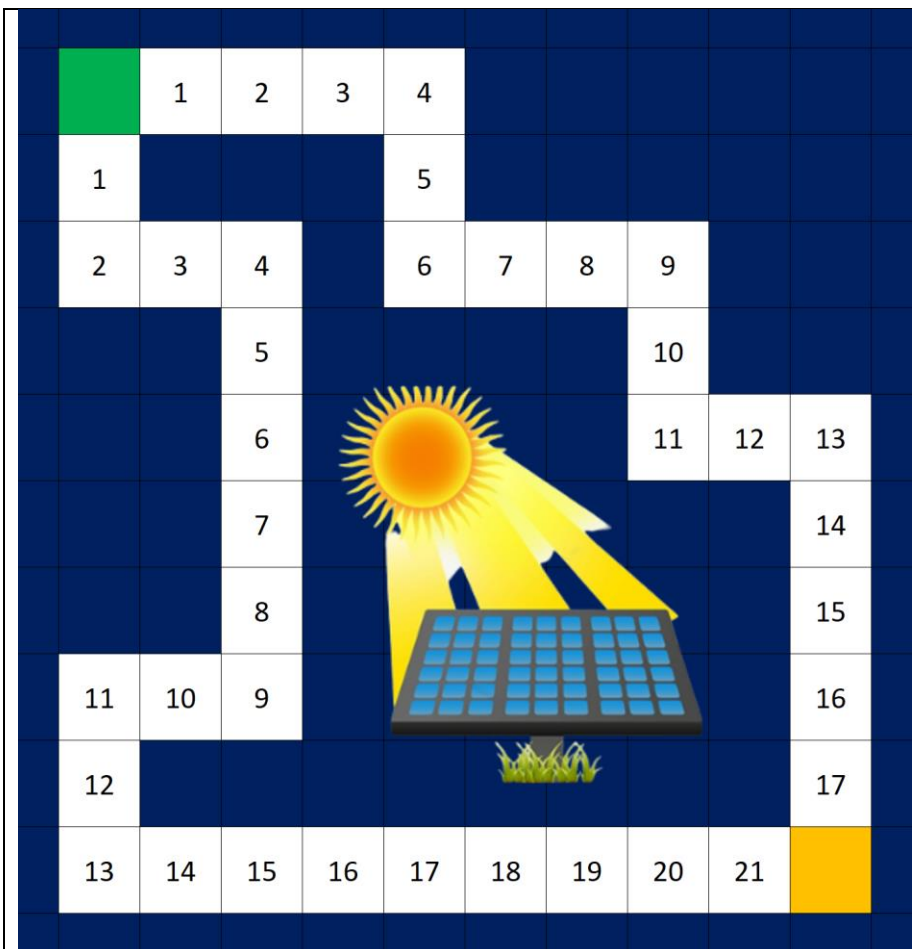
Solar Energy

Solar energy is energy that we get from the sun. Solar panels and other solar technologies are used to capture the sun’s light and heat and change it into renewable green power.

Challenge

Choose the most efficient route to get from the start to the end of the map.

The most efficient route is the one with the fewest number of steps. Our energy supply is limited, we don’t want to use more than we need.

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|  | <p>1. What route did you take?</p> <p>Route: B</p> <p>2. How many steps did you take?</p> <p>Steps: 17</p> <p>3. How many steps was the longest route?</p> <p>Steps: 21</p> |
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Extension

Break the route you took into smaller steps.

For example, to start route A, the first two steps are:

2 steps ↓
 2 steps →

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| | | | | | | | | | | | | | | | | | | | | | | | <p>Route breakdown: (Route B)</p> <p>4 steps right</p> <p>2 steps down</p> <p>3 steps right</p> <p>2 steps down</p> <p>2 steps right</p> <p>4 steps down</p> | | |
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