

Illustrated Instructions

Nurturing Life

Illustrations by Kevan Mills

Nurturing Life



Image 1: Think and Discuss

- "What is a scientist?"
- "What is biology?"
- "What is astrobiology?"

Nurturing Life

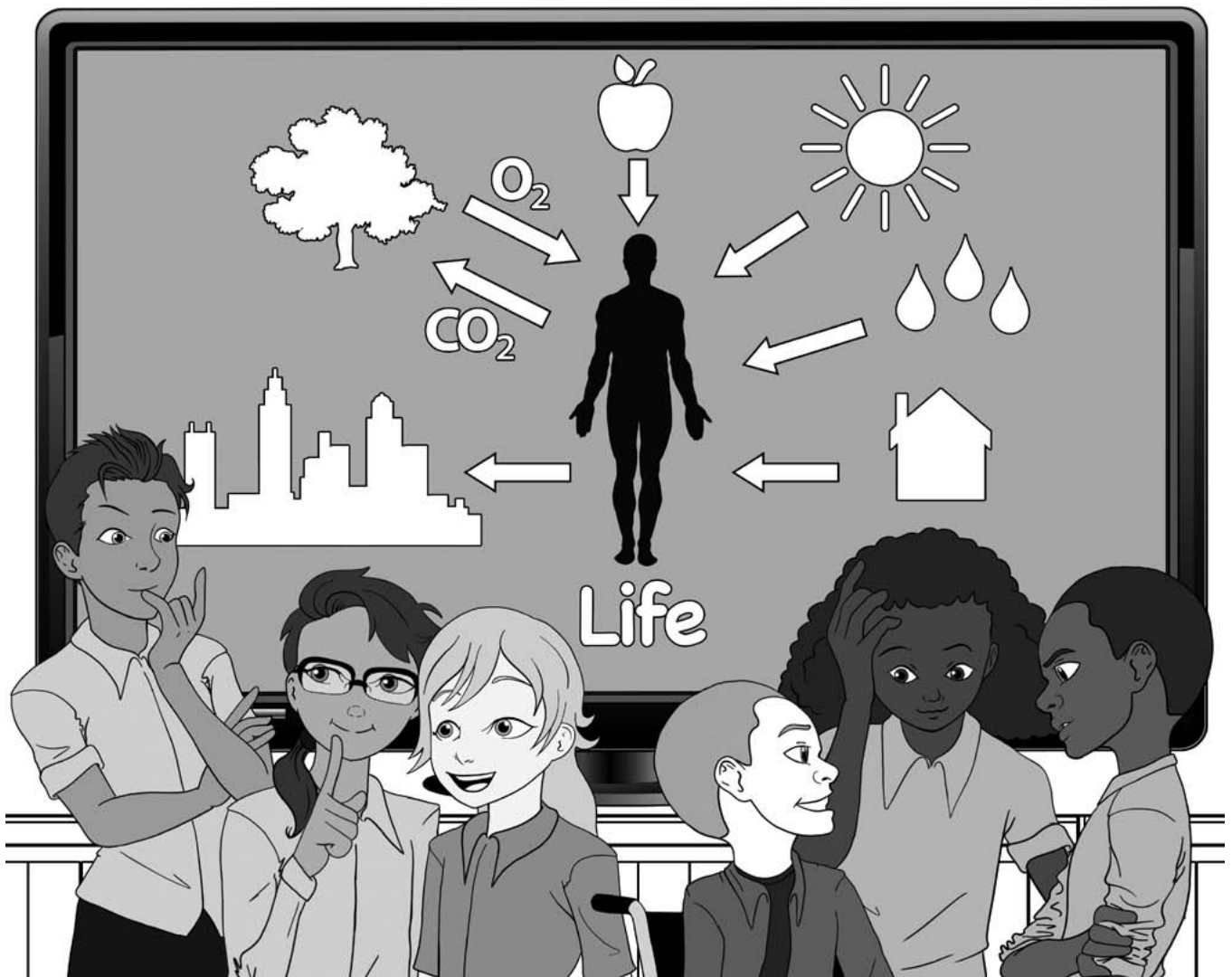


Image 2: Think and Discuss

- "What do we need for life?"
- "What do living things need to survive?"

Nurturing Life



Image 3: Think and Discuss

- "What is it like on Mars?"
- "What would it be like to live on Mars?"

Nurturing Life

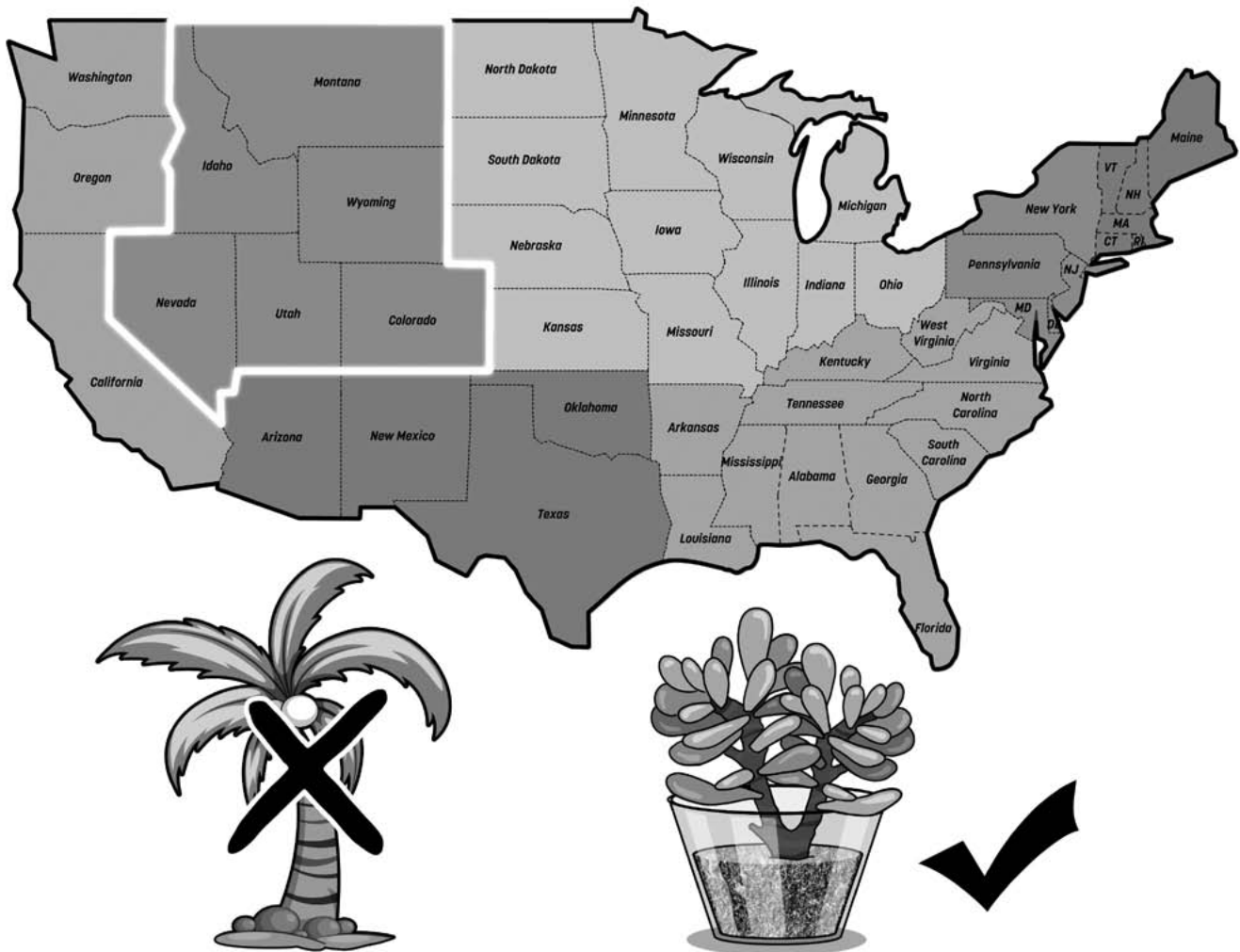


Image 4

Select seeds or plants that can grow and survive in a small container and will do well in the region that you live. For example, a jade plant is a great choice if you live in Colorado or Utah. A coconut tree would be a bad choice!

Nurturing Life

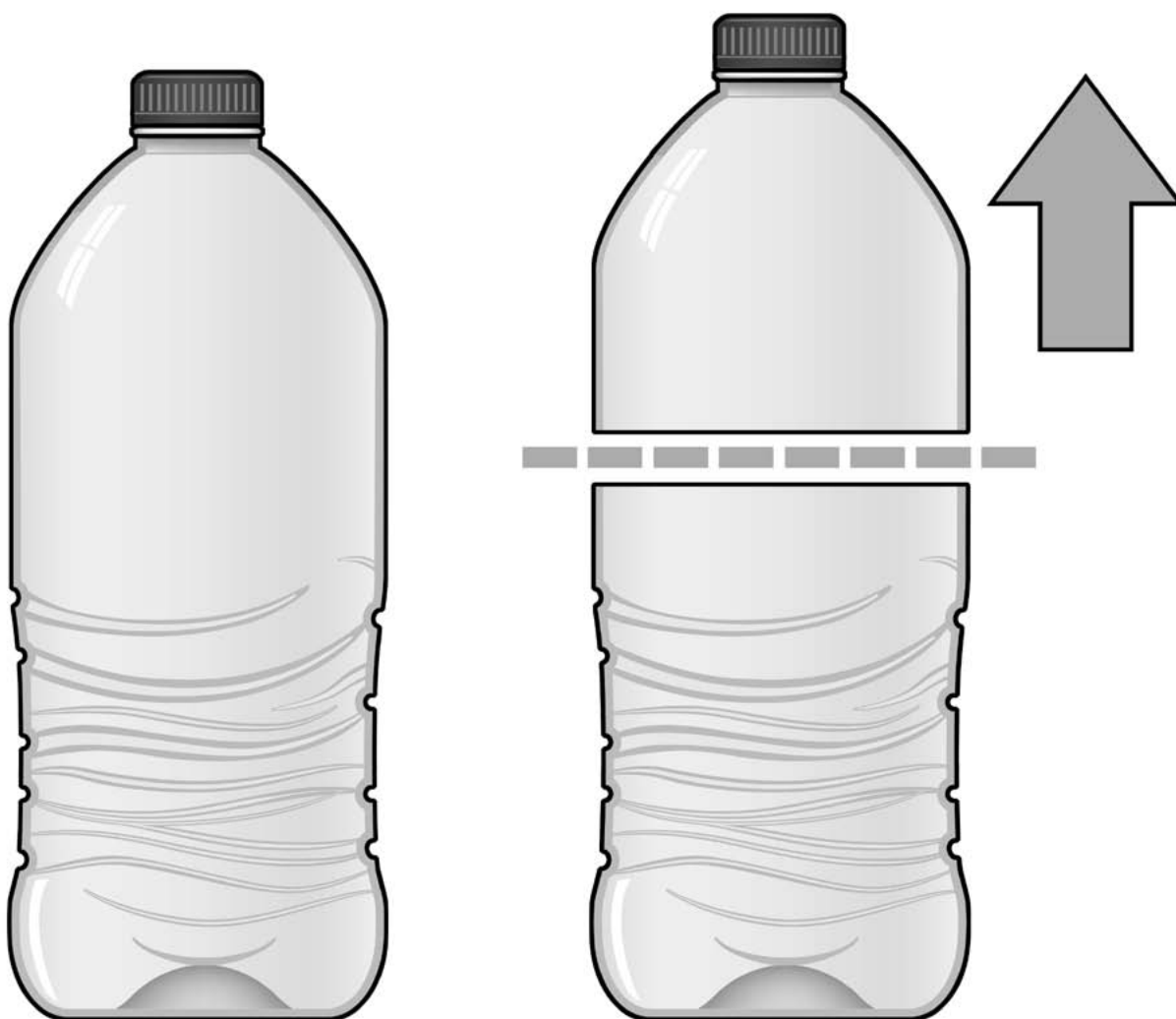


Image 5

Remove the top of the bottle from the lower part of the bottle. Your bottle should already be separated. If your bottle is not separated, ask an adult for help.

Nurturing Life



Image 6

Pour $\frac{1}{2}$ - $\frac{3}{4}$ cup of small rocks or gravel into the bottom of the bottle.

Nurturing Life



Image 7

Add 2 cups of your soil mix into the bottle.

Nurturing Life



Image 8

Plant your plants or seeds according to package directions.

Nurturing Life



Image 9

Add about $\frac{1}{2}$ cup of water to your bottle, or until there is around 1 inch of water in the bottom of the bottle (in the rocks).

Nurturing Life



Image 10

Replace the top of the plastic bottle so that it fits around the outside of the bottom. Secure the top of the bottle (without a cap) in place with a piece of tape.

Nurturing Life



Image 11

Take your “garden in a bottle” home with you. Keep a daily journal of your plant’s growth and changes.