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Solar Sweet Tea

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Objective: Learn how the sun's rays can be harnessed for thermal energy

Our sun releases heat and light. It travels to us here on Earth. This solar energy is a renewable resource and can be used and harnessed in many ways.

For example, solar energy can be converted into thermal energy, which is used to heat things up, like water. We can use this process to make tea!

Supplies Needed

-One liter jar
-Sweet tea bags (4-8)
-Water
-Sugar
-Spoon
-Cups

Did you know: Solar energy can be used to generate electricity, heat water, warm households, and many more!

Solar Sweet Tea

1. Fill your jar with water and tea bags

2. Place jar in direct sun for one to three hours. The longer it sits the stronger the taste.

3. Once the tea is a dark color, take tea bags out. Add 1/4 - 1/2 cup of sugar, depending on taste preferences and stir thoroughly.

4. Let chill in the refrigerator for one hour. Drink within 1-3 days after making. Enjoy!

While the tea is setting, draw a diagram of how the tea is being brewed by the sun's rays.

Source: http://www.greeneducationfoundation.org/institute/lesson-clearinghouse/download/file.html?fid=19.257

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