



Zayn and Zoey were playing ball by the river at Grandma Grey's farm when they noticed shiny solar panels on all the roofs. They were curious and asked Grandma about how the energy of the Sun is converted into electricity. They also learned about the benefits and various applications of solar power.

Let's Chat!

After reading the book, let's discuss the story together and see how much of the book you remember!

- Why do we need electricity from the Sun?
- What do you mean by natural resource?
- What is renewable energy?
- What are used to harness and convert the Sun's heat into electricity?
- What are solar cells made of?
- In which direction do the solar panels face?
- Can solar power be generated on cloudy or rainy days?
- How do solar panels work in snowy places?
- Name some uses of solar power.

HANDS ON FUN!

Here are some fun activities related to solar power to do with children.

Shadow Tracing

All you need is the Sun and a shadow to get creative! Try this fun-in-sun activity to make shadow art.

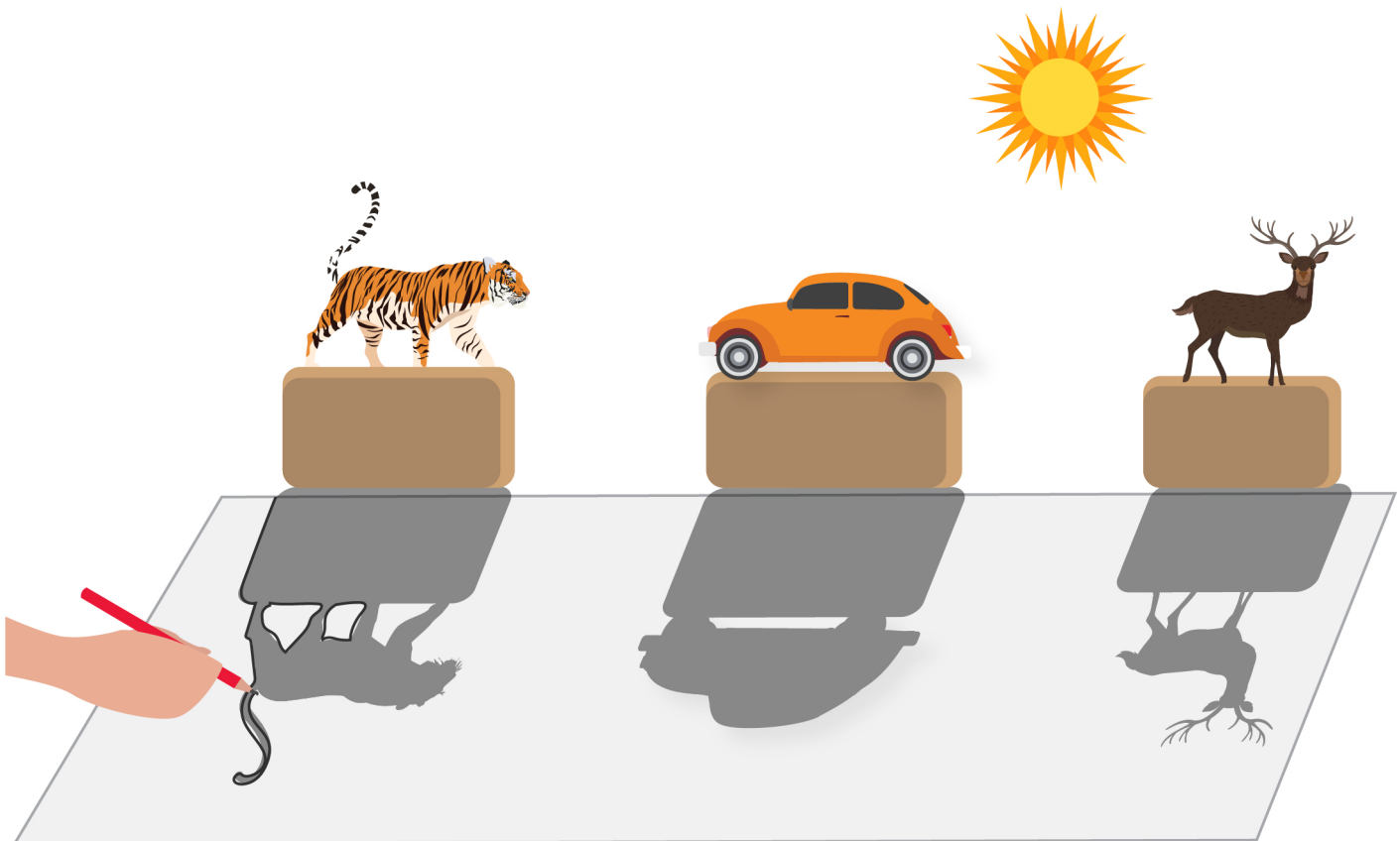
Things you need:

- Small toys that can stand
- Wooden block
- White art sheets
- Pencil
- Table

Steps to follow:

Mornings or evenings are the best time to do this activity as the shadows are longer.

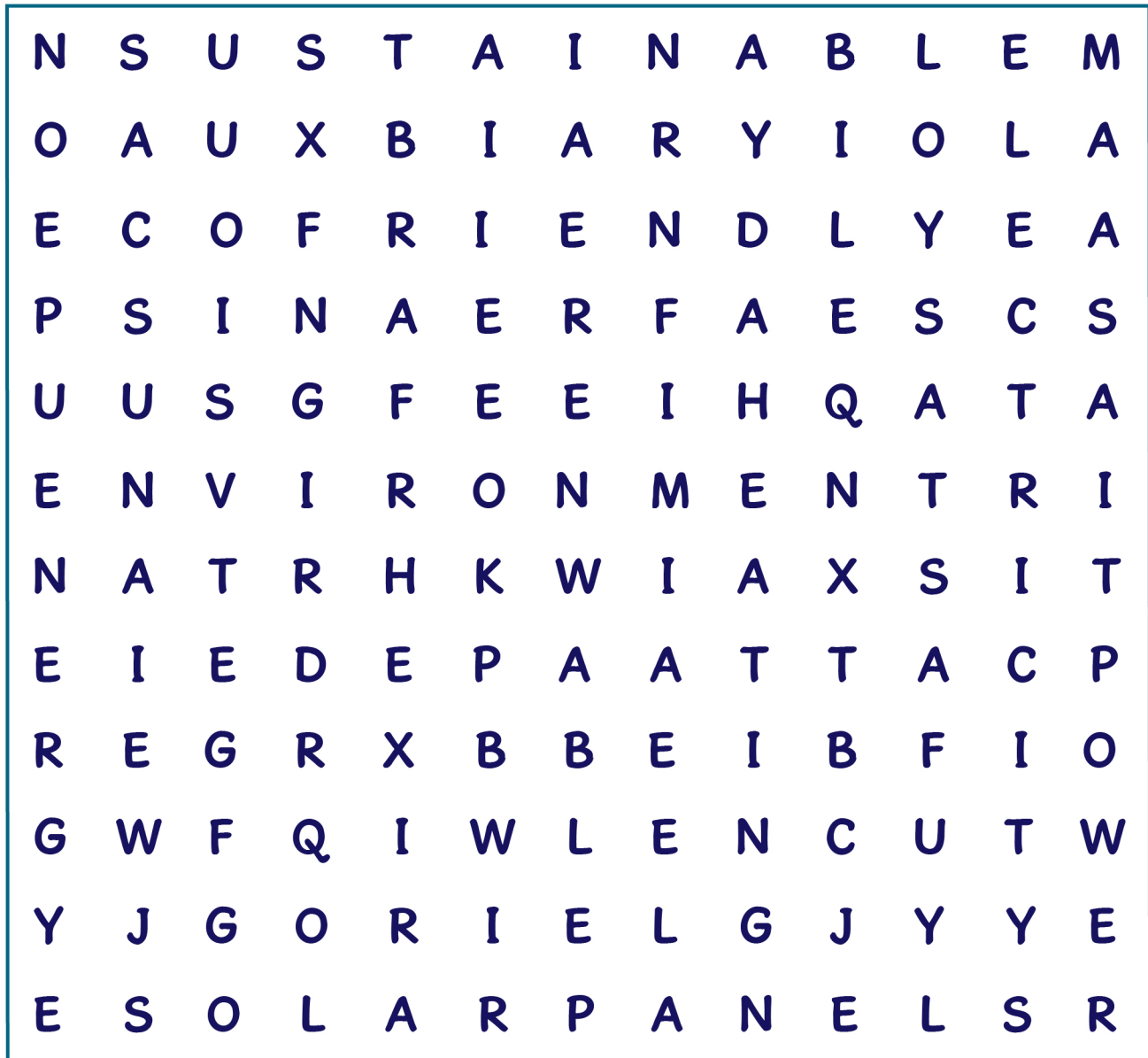
1. Choose a sunny place to sit. Line up wooden blocks and place the toys on them.
2. Place the white paper in a way that the shadows of the toys fall on it.
3. Trace the outline of the shadow of the objects and colour them as you like.



Revisit the drawing after a couple of hours and see how the shadow has changed!

Solar Power Word Search

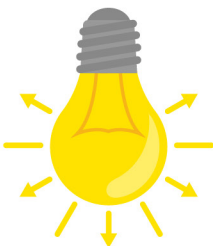
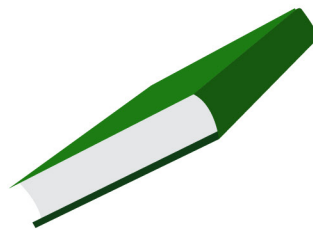
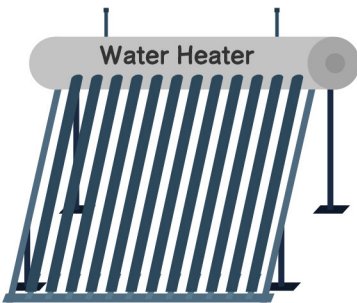
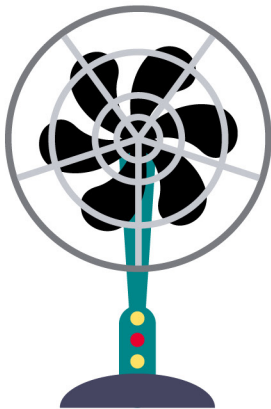
Find all the words related to solar power in the word search below.



- SOLARPANELS
- SUN
- RENEWABLE
- ELECTRICITY
- ENERGY
- GRID
- ENVIRONMENT
- SUSTAINABLE
- ECOFRIENDLY
- HEATING
- POWER

Powered Products

Many household items can work with solar power. Can you find and circle them from the bunch of things here?



Panel Puzzle

Given below are four solar panels. However, a piece in each of them is missing.
Can you find the right piece that fits perfectly for each of them?

