

## ACTIVITY 2: READ ABOUT THE LIFE SPAN OF SOLAR PANELS

What happens when solar panels are no longer usable? Despite increased interest in recycling, the disposal of solar panels predominantly occurs in landfills, with a mere 10% currently being recycled. That's because recycling the panels is a complicated process. Despite challenges, the solar recycling industry is anticipated to expand due to advancements in technology. As they read, students will learn about the disposal process of solar panels that have reached the end of life.

In this activity, students will use a **Think Pair Square Protocol** for discussing what they will read about this very topic.

First, have students partner up and distribute the article [Where Do Solar Panels Go to Die?](#) from Interlochen Public Radio. Allow time for students to individually read the article, and have them jot down three things they took away from the article using the **Rose Thorn Bud Protocol**—in their notebook or using the handout.

Then, give students time after reading to discuss the article that they read with their partner. Have students share their rose, thorn, and bud with each other, including how those points connect to each other. The pair should come up with a statement to summarize all of their article takeaways.

Next, have two student pairs join up, standing near each other to form the four corners of a square, to discuss the article and what they talked about in their pairs. Encourage them to come to a consensus about which point they found most important or interesting in the article.



Last, have each group craft a summary statement of the most important point from their discussion and ask for a volunteer in each group to share that key point with the whole group. As student groups share their most important point, record their ideas on the board and have students copy the list of student ideas down into their notebooks. Once the shareout is complete, ask students to return to their groups and discuss one last question based on the article:

**Based on the benefits and challenges associated with solar panels, would you choose to have them at your home: why or why not?**

You can keep this as a class discussion based on the article itself or, after giving the groups some time to discuss this question, invite them to further research the topics, points of interest, or themes discussed in the article by generating a research question, identifying additional sources, and presenting their findings.

### Teaching Tip:

*If the reading level of the article is going to be tough for some students to read individually, have partners or small groups read the article together aloud while each follows along, or the teacher might read the article to the entire class.*