

*Planet Power: Explore the World's Renewable Energy*

**Discussion Guide**

Grades: 1<sup>st</sup> – 6<sup>th</sup>

**Before Reading: to activate schema, build background knowledge, and set a purpose.**

- Preview with the students the cover & title of the book. Ask what the students already know about renewable energy sources.
- Preview vocabulary/terms, including: hydropower, solar power, wind power, tidal power, geothermal power, and wave power.
- Ask: Why is renewable energy important in our everyday lives? (Optional: Think, Pair, Share)

**During Reading: to engage students, check for understanding, and make connections.**

On chart paper, list:

- The six (6) renewable energy sources described in the book.
- The pros & cons of each of the renewable energy sources.
- The countries who are already using some of these renewable energy sources (information is listed in the reference material in the back of the book). Why do you think they are already investing in these new energy sources?

**After Reading: to summarize, question, and reflect.**

- Ask: Why are scientists looking for new & better renewable energy sources?
- Describe how these energy sources have their specific energy converted into electricity.
- **Extension:** Draw a diagram/illustration for each of the six (6) renewable energy sources from the book. Remember to include the connecting parts (transmission lines, generator, turbines). Label each part.

If your students enjoyed this book...

- Encourage them to continue to discuss it and refer to it in other lessons and conversations.
- Let them explore more about the topic by reading other books with similar themes, structure, characters, or content.